

FEDERAL ITEM IDENTIFICATION GUIDE

PUMPS AND COMPRESSOR COMPONENTS

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

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c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode</u> <u>Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGW OVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
DISPENSING PUMP, HAND DRIVEN	11019	PA

A unit consisting of a pump, with intake pipe, and either spouts, hose, or other attachments specifically designed for transferring liquid fuels and lubricants from a drum, barrel, tank or similar container.

EJECTOR, JET	17566	KA
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A device having pressure inlet(s), discharge outlet(s), and suction inlet(s), designed to move fluids or solids by utilizing the kinetic energy of a fluid forced at a high velocity through a converging nozzle(s). The item must not contain any valve(s), float(s), or pipe(s), but may contain an integral ball check(s). Excludes items designed exclusively for circulating free air. See also PUMP, LIQUID OPERATED.

Governor

1. An automatic device or attachment for regulating the speed of an engine or motor under varying conditions of load and pressure, by controlling the flow of fluids, electric current, or varying the pressure, as water or gas.

GOVERNOR (1), PUMP, PRESSURE REGULATING	16993	DA
--	-------	----

A governor specifically designed to regulate the discharge pressure of reciprocating or turbine driven pumps. It may be actuated by either the pump discharge fluid or air flow from an external pilot valve.

HYDRAULIC POWER UNIT, TURBINE DRIVEN, GUIDED MISSILE	51466	NA
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A self-contained item driven by high pressure gas energy directed upon a turbine wheel. The resulting rotational force drives an integral hydraulic pump which supplies high pressure fluid to operate associated missile components.

LUBRICATING UNIT, HAND OPERATED	20628	EB
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A pumping unit designed for application of lubricant from lubricant drum to automotive transmissions, differentials, and the like. It consists of a low pressure pump, usually with hose and nozzle. It may include a lubricant meter and dolly or hand truck for mounting and/or transporting the unit. For power operated items, see PUMPING UNIT, PRESSURE LUBRICATING DRUM, MOUNTING.

MOTOR, HYDRAULIC	06128	FA
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A mechanical device designed to convert the energy of fluid pressure to rotary motion.

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
Piston		
1. A cylindrical piece which moves or reciprocates in a cylinder, either under fluid pressure, as in engines, or to displace or compress a fluid as in pumps and compressors.		
PISTON, COMPRESSED GAS REGULATOR	68036	GA
A cylindrical item of various configuration mounted in the body of a REGULATOR, COMPRESSED GAS. May include additional components such as ring(s), collar(s), seal(s) and the like. Excludes PISTON, VALVE.		
PISTON, COMPRESSOR	22220	GA
A cylindrical piece which moves or reciprocates in a cylinder to compress air or gas from an initial intake pressure to a higher discharge pressure. May include integral connecting rod.		
PISTON (1), PUMP	60806	GA
PUMP, BUCKET, LUBRICATING	08042	EB
A manually operated, self-contained, portable unit designed to deliver lubricant under pressure for application to automotive or industrial equipment and machinery.		
PUMP, DEFLATING, MANUAL	17298	CA
PUMP, HYDRAULIC RAM, FOOT DRIVEN	66613	BA
A positive displacement pump designed to utilize the reciprocating motion of a single piston as a means for providing hydraulic pressure. A foot control is provided for varying the pressure delivered. See also PUMP, HYDRAULIC RAM, HAND DRIVEN.		
PUMP, HYDRAULIC RAM, HAND DRIVEN	17989	BA
A positive displacement pump designed to utilize the reciprocating motion of a single piston as a means for providing hydraulic pressure. A manual control may be provided for varying the pressure delivered. Excludes JACK, HYDRAULIC, HAND.		
PUMP, INFLATING, MANUAL	17299	CA
PUMP, LUBRICANT TRANSFER	03226	EA
A manual or power operated reciprocating pump, designed for transferring lubricants from a reservoir to a grease gun, measure, or similar items.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER	11018	MA
A transportable unit consisting of a pump, prime mover, and necessary accessories and attachments, designed for transferring liquid petroleum products from or to underground bulk tanks, above ground bulk tanks, railroad tank cars or military tank trucks, and to vehicular tanks or individual containers. Excludes PUMP, CENTRIFUGAL; PUMP, RECIPROCATING, DIRECT ACTING; PUMP, RECIPROCATING; and PUMP, ROTARY.		
PUMPING UNIT, CENTRIFUGAL, FUELING-DEFUELING	24355	AA
An assembled unit consisting of an electric motor driven pump(s), hoses, couplings, and other necessary accessories and attachments, utilized in fueling and defueling operations.		
PUMPING UNIT, HYDRAULIC, HAND DRIVEN	27494	NA
An item consisting of all the basic elements of a power driven pumping unit, but designed for hand operation only. See also PUMPING UNIT, HYDRAULIC, POWER DRIVEN.		
PUMPING UNIT, HYDRAULIC, POWER DRIVEN	27495	NA
An item consisting of power driven hydraulic pump(s) with instruments, controls and the like assembled on a common mounting. It may include engine(s) or motor(s) or be designed to be mounted on a vehicle which provides the power. It may include a hydraulic fluid reservoir, pressure fluid filters, accumulators, boosters, hose and hose reels or racks. It is used in the operation of hydraulic tools or equipment and/or checking of hydraulic systems. See also TEST STAND, HYDRAULIC SYSTEM COMPONENTS. Excludes FILTER, HYDRAULIC SYSTEM, GUIDED MISSILE.		
RAM, HYDRAULIC	13126	JA
A metal cylindrical device, used in conjunction with a hydraulic pump. Primarily designed for jacking, pressing and the like.		
TANK, PRESSURE	15919	HA
WATER SUPPLY SYSTEM, AUTOMATIC	19731	LA
An operating assembly designed to store and deliver water under pressure. It automatically raises water as needed, to replenish the supply and maintain the pressure against intermittent use. It consists essentially of a TANK, PRESSURE; SWITCH, PRESSURE; pump; primer mover; check valve; air volume control valve; and necessary piping connections.		

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AA

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AENC	X
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AWQW	X
CZLU	X
AWQY	X
AWQZ	X
ARNH	X
AWZC	X
AWZD	AR
AYZR	AR
AWZE	AR
ASHJ	X
AZFC	X
AAYV	X
AWZF	X
ASHK	X
ACDC	X
ELEC	AR
FREQ	AR
FAAZ	AR
AWZG	X
AWZL	X
AWZK	X
AZFD	AR
AWZM	X
AWZN	X
NMBR	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR

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NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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ARTH	AR
AYZQ	AR
AWZQ	X
AWZR	AR
AWZS	AR
AWZT	AR
AWZW	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
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ALTB	X
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AJYP	AR
APJC	AR
AWZQ	X
NMBR	AR
ABHP	AR
AWZY	AR
AWZZ	AR
AXAA	AR
AXAB	AR
AXAC	AR
AXAD	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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AXAF	X
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AXAH	AR
CZLV	X
AXAK	X
AAFZ	X
AXAL	X
AWZY	X
AXAN	AR
ARKN	AR
AFQN	AR
AGFF	AR
AHTC	AR
AXAP	AR
AXAQ	AR
ARZJ	AR
AXAR	AR
ABUJ	AR
AJYP	AR
AAJF	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

FIIG T103
GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>EA</u>	<u>EB</u>
NAME	X	X
APHE	X	X
AXAS	AR	AR
AXFA	AR	AR
BGST	AR	AR
AXAT		X
AXAW		X
AXEL		X
AXEM		AR
AXEN		AR
AWZQ		X
ABRY		AR
AXEP		AR
AXEQ		X
AXER		X
AXES		X
AXET		X
AXEW		X
AXEZ		X
AKYN		AR
AKKF	AR	
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ENAC	AR	AR
ELRN	AR	AR
ELCD	AR	AR
AFJK	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZV	AR	AR
AGAV	AR	AR
CXCY	AR	AR
HZRD	AR	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>FA</u>
NAME	X
AXFP	X
AKCT	X
AEQC	X
AXFB	AR
AAPL	AR
AXFQ	X
AWLS	X
ASMM	X
AZFE	X
AXFC	X
AECS	AR
ABKG	AR
AZFF	AR
AHNX	AR
AXFD	AR
ABUJ	AR
AJYP	AR
APJC	AR
AAJF	AR
AJAB	X
ABWV	AR
AXFE	AR
AAST	AR
ABSF	AR
ABRV	AR
AFYS	AR
ABRR	AR
ABSA	AR
AAUJ	AR
AAUH	AR
ASAP	AR
AGJS	AR
AXFG	AR
AXFH	AR
AAZK	AR
ANNL	AR
AGVN	AR
AKAF	AR
AKAL	AR
AHHE	AR
AHHF	AR
AXFK	AR
AXFL	AR
ANTX	AR
AXFM	AR
ARQA	AR
AAXX	X
AXFN	AR
ABTJ	AR
AFFL	AR
AZFG	AR
ABTB	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

AJLF	X
AZFH	AR
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

GA

NAME	X
MATL	X
ABMZ	X
ABKW	X
AGYE	X
AXFR	AR
AXFS	AR
SURF	AR
AASK	X
AXFT	X
AXFX	X
AXFW	AR
CXSP	AR
AXFZ	AR
AXGA	AR
AXGB	AR
AXGC	AR
AXGD	AR
ACXM	AR
AXGE	AR
AXPH	X
AXPK	AR
AXPL	X
AGVF	AR
ACXU	AR
AXPM	X
AXPN	X
AXPP	X
AXPQ	X
AXPR	X
AXPS	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

AGAV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
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	<u>HA</u>
NAME	X
MATL	X
AAJP	AR
AAJQ	AR
AXPT	X
AXPW	AR
AXPY	X
AXPZ	X
AXQA	X
AXQB	X
ABUJ	AR
AJYP	AR
AAJF	AR
ALWB	AR
ABHP	X
ADAV	X
AXQC	X
AEVK	AR
AXQD	AR
AJNY	AR
AXQE	X
ADSM	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>JA</u>
NAME	X
AXQD	X
ALPK	X
AJLT	X
ADAV	X
AXQF	X
AJYN	AR
AJYQ	AR
AJYP	AR
AXQG	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>KA</u>
NAME	X
AAFZ	X
APHE	X
AXQN	X
CZLW	AR
ACKL	AR
AXQQ	X
AXQL	X
AXQS	AR
AXQR	AR
AXQT	X
AXQW	X
AXRB	AR
AXRA	AR
AXQX	X
AXQY	X
AXQZ	AR
AYCB	AR
AYCC	X
AYCD	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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APPLICABILITY KEY INDEX

LA

NAME	X
AYCG	X
CZLX	X
CZLY	X
AHZH	AR
AHYY	AR
AKDJ	X
AHZX	AR
ACDC	AR
ELEC	AR
FREQ	AR
FAAZ	AR
AMKA	X
AZGN	X
AXEL	X
AYCK	AR
AYCL	X
AYCM	X
AYCN	X
AYCP	X
AYCQ	X
AYCR	X
ABHP	X
ABMK	X
ABKW	X
AYCS	X
AYCT	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

MA

NAME	X
AXEL	X
AYCW	AR
AYCX	AR
AWZD	X
AYCY	AR
AYCZ	AR
AZFJ	AR
AYDA	AR
AYDC	AR
AYDD	AR
AYDE	AR
AYDF	AR
AYDB	AR
AYDG	AR
AJUN	AR
AYDJ	AR
ASHJ	X
AKSD	AR
AYDK	AR
AZFK	AR
AQLJ	AR
AEPS	AR
AYDL	AR
AYDM	AR
AYDN	AR
AYHP	AR
AYDP	AR
CXSX	AR
AYHL	AR
AYHM	X
AKDJ	X
AYHN	AR
AYHQ	AR
ACDC	AR
ELEC	AR
FREQ	AR
FAAZ	AR
AHZX	X
CSYL	AR
AYHR	AR
AYHS	AR
AYHT	AR
AYHW	AR
AYHX	AR
AYHY	AR
AYHZ	AR
AYJA	X
AYJB	AR
AYJC	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

AQGA	AR
AQGB	AR
AYJE	X
AYJF	AR
AAXX	X
ATYX	X
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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APPLICABILITY KEY INDEX

	<u>NA</u>
NAME	X
APCB	X
AAXX	AR
AYJW	AR
AYJX	AR
AAJJ	X
AAYJ	AR
AXEL	X
AENC	X
AYJJ	X
AYJK	X
AYJL	AR
AYJM	X
AYJN	AR
AYJP	X
AYJQ	AR
AYJR	AR
NMBR	AR
APHE	AR
AYJS	X
AYJT	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>PA</u>
NAME	X
AXEL	X
APGF	X
AYJY	X
AYJZ	AR
AYKA	X
AWQH	AR
AYKB	AR
AYKC	AR
AYLY	X
AYLZ	AR
ABRY	AR
AYMA	AR
AMDA	X
AYMB	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
AGAV	AR
CXCY	AR
HZRD	AR

FIG T103
GENERAL INFORMATION
APPLICABILITY KEY INDEX

[Page Break]

FIIG T
Section Parts

Body

SECTION: A

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED24355*)

ALL

ATDA	D	LIQUID CIRCULATING PUMP TYPE
------	---	------------------------------

Definition: INDICATES THE TYPE OF PUMP PROVIDED FOR CIRCULATING LIQUID.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATDADA*; ATDADA\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AA80)</u>
A	AXIAL FLOW
C	MIXED FLOW
G	PERIPHERIAL FLOW
B	RADIAL FLOW

ALL

AENC	A	PUMP QUANTITY
------	---	---------------

Definition: THE NUMBER OF PUMPS INCORPORATED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AENCA3*; AENCA3\$A4*)

ALL

AWQT	J	MAXIMUM FUELING CAPACITY RATING
------	---	---------------------------------

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: THE MAXIMUM RATED FUELING CAPACITY DELIVERED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWQTJM150.0*; AWQTJE255.0*)

<u>REPLY CODE</u>	<u>REPLY (AC64)</u>
M	GALLONS PER MINUTE
E	LITERS PER MINUTE

ALL

AWQW	B	FUELING OPERATING SPEED AT RATED CAPACITY IN RPM
------	---	---

Definition: THE SPEED OF THE FUELING REQUIRED TO PRODUCE ITS RATED CAPACITY, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AWQWB3450.0*)

ALL

CZLU	J	FUELING TOTAL HEAD
------	---	--------------------

Definition: THE SUM OF THE FUELING TOTAL DISCHARGE HEAD AND THE TOTAL SUCTION LIFT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CZLUJBB25.0*; CZLUJAV1.8*; CZLUJBB25.0\$JBB50.0*)

<u>REPLY CODE</u>	<u>REPLY (AG20)</u>
AV	KILOGRAMS PER SQUARE CENTIMETER
DK	MEGAPASCALS
BB	POUNDS PER SQUARE INCH

ALL

AWQY	J	MAXIMUM DEFUELING CAPACITY RATING
------	---	-----------------------------------

Definition: THE MAXIMUM RATED DEFUELING CAPACITY DELIVERED BY THE ITEM.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. Precede negative values with an M. Values not preceded by an M is assumed to be positive. (e.g., AWQYJM100.0*; AWQYJE378.4*; AWQYJM100.0\$JM120.0*)

<u>REPLY CODE</u>	<u>REPLY (A C64)</u>
M	GALLONS PER MINUTE
E	LITER PER MINUTE

ALL

AWQZ	B	DEFUELING OPERATING SPEED AT RATED CAPACITY IN RPM
------	---	---

Definition: THE SPEED OF THE DEFUELING REQUIRED TO PRODUCE ITS RATED CAPACITY, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AWQZB3600.0*)

ALL

ARNH	D	OPERATING POSITION
------	---	--------------------

Definition: THE POSITION IN WHICH THE ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARNHDAC*; ARNHDAB\$DAC*)

<u>REPLY CODE</u>	<u>REPLY (AF63)</u>
AC	HORIZONTAL
AB	VERTICAL

ALL

AWZC	D	SUCTION CONNECTION CHARACTERISTIC
------	---	-----------------------------------

Definition: AN INDICATION OF THE SUCTION CONNECTION CHARACTERISTIC(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZCDAAE*; AWZCDAAE\$DAAG*)

FIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

REPLY CODE

AAE
AAG

REPLY (AJ93)

COMMON
SEPARATE

NOTE FOR MRCS AWZD, AYZR, AND AWZE: REPLY TO MRCS AWZD AND AYZR IF REPLY CODE AAE IS ENTERED FOR MRC AWZC. REPLY TO MRCS AWZD, AYZR, AND AWZE IF REPLY CODE AAG IS ENTERED FOR MRC AWZC.

ALL* (See Note Above)

AWZD	D	SUCTION CONNECTION TYPE
------	---	-------------------------

Definition: INDICATES THE TYPE OF SUCTION CONNECTION(S) INTEGRAL WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZDDAQ*; AWZDDAQ\$DAW*)

REPLY CODE

AQ
AW

REPLY (AA84)

FLANGED
THREADED

ALL* (See Note Preceding MRC AWZD)

AYZR	J	SUCTION CONNECTION SIZE
------	---	-------------------------

Definition: DESIGNATES THE SIZE OF THE SUCTION CONNECTION INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYZRJAE2.000*; AYZRJAE2.000\$JBZ2.000*)

REPLY CODE

AE
BZ

REPLY (AH06)

IPS
N STD

ALL* (See Note Preceding MRC AWZD)

AWZE	A	SUCTION CONNECTION QUANTITY
------	---	-----------------------------

Definition: THE NUMBER OF SUCTION CONNECTIONS FURNISHED.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. (e.g., AWZEA1*; AWZEA1\$A2*)

ALL

ASHJ D DISCHARGE CONNECTION TYPE

Definition: INDICATES THE TYPE OF DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASHJDBJ*; ASHJDBG\$DBJ*)

<u>REPLY CODE</u>
BJ
BG

<u>REPLY (AB76)</u>
FLANGED
THREADED

ALL

AZFC J DISCHARGE CONNECTION SIZE

Definition: DESIGNATES THE SIZE OF THE DISCHARGE CONNECTION INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZFCJAE2.000*; AZFCJAE2.000\$JBZ2.000*)

<u>REPLY CODE</u>
AE
BZ

<u>REPLY (AH06)</u>
IPS
N STD

ALL

AAYV A DISCHARGE CONNECTION QUANTITY

Definition: THE NUMBER OF DISCHARGE CONNECTIONS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AAYVA2*; AAYVA1\$A2*)

ALL

AWZF A ELECTRIC MOTOR MANUFACTURER CODE

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: THE IDENTIFYING NUMERIC CODE OF THE ORIGINATOR THAT CONTROLS OR MANUFACTURES THE ELECTRIC MOTOR.

Reply Instructions: Enter the manufacturer's code. (e.g., AWZFA56392*; AWZFA56392\$A60011*)

ALL

ASHK	B	ELECTRIC MOTOR HORSEPOWER RATING
------	---	----------------------------------

Definition: THE RATED HORSEPOWER OF THE ELECTRIC MOTOR.

Reply Instructions: Enter the numeric value. (e.g., ASHKB20.0*; ASHKB20.0\$B30.0*)

ALL

ACDC	D	CURRENT TYPE
------	---	--------------

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB\$DC*)

REPLY CODE

B
C

REPLY (AB62)

AC
DC

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: REPLY TO MRCS ELEC, FREQ, AND FAAZ IF REPLY CODE B IS ENTERED FOR MRC ACDC.

REPLY TO MRC ELEC IF REPLY CODE C IS ENTERED FOR MRC ACDC.

ALL* (See Note Above)

ELEC	B	VOLTAGE IN VOLTS
------	---	------------------

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB440.0*; ELECB12.0\$B110.0*)

ALL* (See Note Preceding MRC ELEC)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	FREQ	B	FREQUENCY IN HERTZ
Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.			
Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*; FREQB50.0\$B60.0*)			

ALL* (See Note Preceding MRC ELEC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDA\$DB*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL

AWZG B ELECTRIC MOTOR RPM

Definition: THE SPEED OF THE ELECTRIC MOTOR, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AWZGB3500.0*; AWZGB3500.0\$B3750.0*)

ALL

AWZL H ELECTRIC MOTOR INCLOSURE TYPE PER SPECIFIED DOCUMENT

Definition: INDICATES THE TYPE OF INCLOSURE PROVIDED TO COAT, COVER, PROTECT, OR ENCASE THE ELECTRIC MOTOR PER SPECIFIED DOCUMENT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below. (e.g., AWZLHCRAD*; AWZLHCRAD\$HBWAD*)

Table 1

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

		<u>REPLY CODE</u>	<u>REPLY (AA65)</u>
		KE	CLOSED FRAME
		CR	DRIPPROOF
		BW	EXPLOSION PROOF
		KF	FAN COOLED
		FP	SPRAY TIGHT

Table 2

		<u>REPLY CODE</u>	<u>REPLY (AM46)</u>
		AD	MANUFACTURERS SPECIFICATION
		AB	MIL-STD-108
		AC	NEMA STANDARD

ALL

AWZK	D	PRIMER PUMP
------	---	-------------

Definition: AN INDICATION OF WHETHER OR NOT A PRIMER PUMP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZKDB*)

		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

NOTE FOR MRC AZFD: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AWZK.

ALL* (See Note Above)

AZFD	D	SEPARATE ELECTRIC MOTOR
------	---	-------------------------

Definition: AN INDICATION OF WHETHER OR NOT A SEPARATE ELECTRIC MOTOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZFDDB*)

		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL

AWZM	D	AIR ELIMINATOR
------	---	----------------

Definition: AN INDICATION OF WHETHER OR NOT AN AIR ELIMINATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZMDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

AWZN	D	MAGNETIC AMPLIFIER
------	---	--------------------

Definition: AN INDICATION OF WHETHER OR NOT A MAGNETIC AMPLIFIER(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZNDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC NMBR: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AWZN.

ALL* (See Note Above)

NMBR	A	QUANTITY
------	---	----------

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*; NMBRA1\$A2*)

FIIG T
Section Parts

SECTION: B

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17989*)

ALL

AWZP	A	OPERATING SPEED QUANTITY
------	---	--------------------------

Definition: THE NUMBER OF OPERATING SPEEDS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AWZPA1*; AWZPA1\$A2*)

ALL

AAJJ	J	MAXIMUM OPERATING PRESSURE
------	---	----------------------------

Definition: THE MAXIMUM PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJJV2200.0*; AAJJJK154.7*)

If more than one speed, enter the pressure rating of each speed. Enter the pressure ratings in descending order. (e.g., AAJJV4200.0\$JV2200.0*)

<u>REPLY CODE</u>	<u>REPLY (AB18)</u>
K	KILOGRAMS PER SQUARE CENTIMETER
S	MEGAPASCALS
V	POUNDS PER SQUARE INCH

ALL*

AQXP	A	INLET CONNECTION QUANTITY
------	---	---------------------------

Definition: THE NUMBER OF INLET CONNECTIONS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AQXPA2*; AQXPA1\$A2*)

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

NOTE FOR MRCS ACQW AND AYZP: REPLY TO THESE MRCS, IF A POSITIVE REPLY IS ENTERED FOR MRC AQXP.

ALL* (See Note Above)

ACQW	D	INLET CONNECTION TYPE
------	---	-----------------------

Definition: A NARRATIVE DESCRIPTION OF THE TYPE OF INLET CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACQWDCT*; ACQWDCS\$\$DCT*)

<u>REPLY CODE</u>	<u>REPLY (AB76)</u>
CG	FLARE
CS	THREADED FEMALE
CT	THREADED MALE

ALL* (See Note Preceding MRC ACQW)

AYZP	J	INLET CONNECTION THREAD SIZE AND SERIES/TYPE DESIGNATOR
------	---	--

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE INLET CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value, a dash and the number of threads per measurement scale.

(e.g., AYZPJNF0.250-20*;

AYZPJAN0.250-18\$JAE0.250-18*)

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
AN	ANPT
AE	IPS
BX	NC
BY	NF
NP	NPT
NF	UNF

ALL*

FIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ARTG	A	OUTLET CONNECTION QUANTITY
------	---	----------------------------

Definition: THE NUMBER OF OUTLET CONNECTIONS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ARTGA1*; ARTGA1\$A2*)

NOTE FOR MRC ARTH AND AYZQ: REPLY TO THESE MRCS IF A POSITIVE REPLY IS ENTERED FOR MRC ARTG.

ALL* (See Note Above)

ARTH	D	OUTLET CONNECTION TYPE
------	---	------------------------

Definition: A NARRATIVE DESCRIPTION OF THE TYPE OF OUTLET CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARTHDCH*; ARTHDCH\$DCT*)

<u>REPLY CODE</u> CJ CG CH CS CT	<u>REPLY (AB76)</u> ADAPTER TUBE TO HOSE FLARE QUICK DISCONNECT THREADED FEMALE THREADED MALE
---	--

ALL* (See Note Preceding MRC ARTH)

AYZQ	J	OUTLET CONNECTION THREAD SIZE AND SERIES/TYPE DESIGNATOR
------	---	--

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE OUTLET CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value, a dash and the number of threads per specific measurement scale.

(e.g., AYZQJNF0.250-20*;

AYZQJBY0.750-16\$JNF0.562-18*)

<u>REPLY CODE</u> AN	<u>REPLY (AH06)</u> ANPT
-------------------------	-----------------------------

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		AE	IPS
		BX	NC
		BY	NF
		NP	NPT
		NF	UNF
		JF	UNJF

ALL

AWZQ D HOSE

Definition: AN INDICATION OF WHETHER OR NOT A HOSE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZQDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AWZR, AWZS, AWZT, AND AWZW: REPLY TO MRCS AWZR, AWZS, AND/OR AWZT AND AWZW IF REPLY CODE B IS ENTERED FOR MRC AWZQ.

ALL* (See Note Above)

AWZR J INLET HOSE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE INLET HOSE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWZRJFA120.000*; AWZRJMA36.6*; AWZRJFB120.000\$JFC136.000*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
F	FEET
M	METERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRC AWZR)

AWZS J INLET HOSE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE INLET HOSE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWZSJAA0.500*; AWZSJMA36.6*; AWZSJAB0.125\$\$JAC0.187*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL* (See Note Preceding MRC AWZR)

AWZT J OUTLET HOSE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE OUTLET HOSE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWZTJFA10.000*; AQZTJMA3.0*; AWZTJFB10.000\$\$JFC12.000*)

Table 1

REPLY CODE

F
M

REPLY (AA05)

FEET
METERS

Table 2

REPLY CODE

A

REPLY (AC20)

NOMINAL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC AWZR)

AWZW J OUTLET HOSE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE OUTLET HOSE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWZWJAA0.125*; AWZWJLA24.5*; AWZWJAB0.125\$\$JAC0.185*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

SECTION: C

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17298*)

ALL

APHE	D	OPERATION METHOD
------	---	------------------

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDDD*; APHEDAZ\$DDD*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
AZ	FOOT
DD	HAND

ALL

AMWM	D	ACTION TYPE
------	---	-------------

Definition: INDICATES THE TYPE OF ACTION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMWMDBF*; AMWMDBF\$DBG*)

<u>REPLY CODE</u>	<u>REPLY (AJ27)</u>
BF	DOUBLE
BG	SINGLE

NOTE FOR MRCS AAXZ, ALSX, ALTB, AND ALWJ: WHEN THE SOURCE DOCUMENT INDICATES MORE THAN ONE CYLINDER AND CYLINDERS ARE DIFFERENT, ENTER REPLIES FOR THE SMALLEST DIAMETER CYLINDER FIRST.

ALL (See Note Above)

FIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AAXZ

A

CYLINDER QUANTITY

Definition: THE NUMBER OF CYLINDERS INCORPORATED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AAXZA2*; AAXZA2\$\$A3*)

ALL (See Note Preceding MRC AAXZ)

ALSX

D

CYLINDER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CYLINDER IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., ALSXDBR0000*; ALSXDBR0000\$DFE0000*; ALSXDBR0000\$DFE0000*)

ALL (See Note Preceding MRC AAXZ)

ALTB

J

CYLINDER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE CYLINDER, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALTBJAA7.344*; ALTBJLA24.5*; ALTBJAB7.750\$\$JAC8.125*; ALTBJAA7.344\$\$JAA7.344*)

Table 1

REPLY CODE

C

A

L

REPLY (AA05)

CENTIMETERS

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL (See Note Preceding MRC AAXZ)

ALWJ

J

CYLINDER INSIDE DIAMETER

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CYLINDER, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALWJJAA1.188*; ALWJJLA24.5*; ALWJJAB1.188\$JAC1.250*; ALWJJAA1.188\$JAA1.188*)

Table 1

REPLY CODE

C

A

L

REPLY (AA05)

CENTIMETERS

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AWZX	D	OUTLET END CONNECTION TYPE
------	---	----------------------------

Definition: INDICATES THE TYPE OF OUTLET END CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZXDCL*; AWZXDBG\$DCL*)

REPLY CODE

A

CK

CL

BG

BH

REPLY (AB76)

ANY ACCEPTABLE

NEEDLE

SNAP-ON

THREADED

UNTHREADED

NOTE FOR MRCS ABUI, AJYP, AND APJC: REPLY TO THESE MRCS IF REPLY CODE BG IS ENTERED FOR MRC AWZX.

ALL* (See Note Above)

ABUI	A	THREAD SIZE
------	---	-------------

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the numeric value, followed by a dash and the number of threads per specific measurement scale.

(e.g., ABUJA0.250-20*;

ABUJA0.250-20\$\$A0.312-32*)

ALL* (See Note Preceding MRC ABUJ)

AJYP	D	SCREW THREAD SERIES DESIGNATOR
------	---	--------------------------------

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYPDNS*; AJYPDNP\$\$DNE*)

REPLY CODE

NP
SW
NE
NF
NS

REPLY (AH06)

NPT
SAE
UNEF
UNF
UNS

ALL* (See Note Preceding MRC ABUJ)

APJC	D	THREAD LOCATION
------	---	-----------------

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APJCDABY*; APJCDABY\$\$DABX*)

REPLY CODE

ABY
ABX

REPLY (AJ91)

EXTERNAL
INTERNAL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL

AWZQ D HOSE

Definition: AN INDICATION OF WHETHER OR NOT A HOSE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZQDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS NMBR, ABHP, AND AWZY: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC AWZQ.

FOR THE ABOVE LISTED MRCS, WHEN THE SOURCE DOCUMENT INDICATES MORE THAN ONE HOSE AND HOSES ARE DIFFERENT, ENTER REPLIES FOR THE LONGER OR LONGEST HOSE FIRST.

ALL* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*; NMBRA1\$\$A2*)

ALL* (See Note Preceding MRC NMBR)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA9.500*; ABHPJLA24.5*; ABHPJAB12.000\$\$JAC14.000*; ABHPJAA9.500\$\$JAA8.500*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Table 2

REPLY CODE

A
B
C

REPLY (A C20)

NOMINAL
MINIMUM
MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AWZY D END CONNECTION TYPE

Definition: INDICATES THE TYPE OF END CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZYDCN*; AWZYDCM\$\$DCN*)

REPLY CODE

CM
CK
CN
CL
BG

REPLY (A B76)

BARBED
NEEDLE
PLAIN
SNAP-ON
THREADED

NOTE FOR MRCS AWZZ, AXAA, AND AXAB: REPLY TO THESE MRCS IF REPLY CODE BG IS ENTERED FOR MRC AWZY.

FOR THE ABOVE LISTED MRCS, WHEN THE SOURCE DOCUMENT INDICATES MORE THAN ONE HOSE AND THE HOSES ARE DIFFERENT, ENTER REPLIES FOR THE LONGER OR LONGEST HOSE FIRST.

ALL* (See Note Above)

AWZZ A END CONNECTION THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE END CONNECTION.

Reply Instructions: Enter the numeric value, followed by a dash and the number of threads per specific measurement scale.

(e.g., AWZZA0.250-20*;

AWZZA0.250-20\$\$A0.312-32*)

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRCS AWZZ)

AXAA	D	END CONNECTION THREAD SERIES DESIGNATOR
------	---	---

Definition: A DESIGNATION INDICATING THE DIAMETER-PITCH AND THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A SERIES OF DIAMETERS OF THE END CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXAADNS*; AXAADNC\$\$DNE*)

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
NP	NPT
NC	UNC
NE	UNEF
NF	UNF
NS	UNS

ALL* (See Note Preceding MRC AWZZ)

AXAB	D	END CONNECTION THREAD LOCATION
------	---	--------------------------------

Definition: THE LOCATION OF THE THREADS ON THE END CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXABDABY*; AXABDABY\$\$DABX*)

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
ABY	EXTERNAL
ABX	INTERNAL

ALL*

AXAC	D	FOOT HOLDER CONSTRUCTION
------	---	--------------------------

Definition: AN INDICATION OF THE STRUCTURAL FORM OF THE FOOT HOLDER.

Reply Instruction: Enter the applicable Reply Code from the table below. (e.g., AXACDABC*; AXACDABC\$\$DACA*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
		<u>REPLY CODE</u>	<u>REPLY (AL59)</u>
		ABC	FOLDING
		ACA	STATIONARY

ALL

AXAD D FOLDING HANDLE

Definition: AN INDICATION OF WHETHER OR NOT A FOLDING HANDLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXADDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

FIIG T
Section Parts

SECTION: D

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16993*)

ALL

AXAE	J	SIZE
------	---	------

Definition: DESIGNATES THE SIZE OF THE TOTAL SURFACE OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXAEJA2.000*; AXAEJL50.8*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL

AXAF	D	PRESSURE TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF PRESSURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXAFDAB*; AXAFDAB\$DAF*)

<u>REPLY CODE</u>	<u>REPLY (AL77)</u>
AB	CONSTANT
AF	DIFFERENTIAL

ALL*

AXAG	G	INLET WORKING PRESSURE RATING AT MAXIMUM TEMP
------	---	--

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: THE RATED INLET WORKING PRESSURE AT MAXIMUM TEMPERATURE AT WHICH THE ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the reply in clear text. (e.g., AXAGG155 PSI RATED AIR WP AT 125 DEG F*)

ALL*

AXAH	J	SATURATED STEAM CAPACITY RATING
------	---	---------------------------------

Definition: THE RATED CAPACITY OF SATURATED STEAM FOR WHICH AN ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXAHJV2300.0*; AXAHJW1043.3*; AXAHJV2300.0\$JV2500.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AXAHKN*)

<u>REPLY CODE</u>	<u>REPLY (AC64)</u>
W	KILOGRAMS PER HOUR
V	POUNDS PER HOUR

ALL

CZLV	J	ACTUATING FLUID PRESSURE RANGE
------	---	--------------------------------

Definition: THE MINIMUM TO MAXIMUM ACTUATING FLUID PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede all values by the letter P. (e.g., CZLVJBBP15.0/P50.0*; CZLVJAVP1.1/P3.5*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CZLVKN*)

<u>REPLY CODE</u>	<u>REPLY (AG20)</u>
AV	KILOGRAMS PER SQUARE CENTIMETER
DK	MEGAPASCALS
BB	POUNDS PER SQUARE INCH

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			

ALL

AXAK D ANGLE BODY FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN ANGLE BODY FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXAKDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AAFZDBN0000*; AAFZDBN0000\$DPC0000*)

ALL

AXAL D END CONNECTION SIMILARITY

Definition: AN INDICATION OF WHETHER OR NOT THE END CONNECTIONS ARE IDENTICAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXALDB*; AXALDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AA37)</u>
C	IDENTICAL
B	NOT IDENTICAL

NOTE FOR MRCS AWZY, AXAN, ARKN, AFQN, AGFF, AHTC, AXAP, AXAQ, ARZI, AXAR, ABUI, AJYP, AND AAJF: IF ENDS ARE NOT IDENTICAL, ENTER REPLIES LISTING INLET CONNECTION FIRST.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

REPLY TO MRCS AXAN, ARKN, AXAP, AXAQ, ARZI, AND AXAR IF REPLY CODE BJ IS ENTERED FOR MRC AWZY.

REPLY TO MRCS AXAN, ABUI, AJYP, AND AAJF IF REPLY CODE CS, CT, OR BP IS ENTERED FOR MRC AWZY.

ALL (See Note Above)

AWZY	D	END CONNECTION TYPE
------	---	---------------------

Definition: INDICATES THE TYPE OF END CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZYDBJ*; AWZYDBJ\$\$DBP*)

<u>REPLY CODE</u>	<u>REPLY (AB76)</u>
BJ	FLANGED
CS	THREADED FEMALE
CT	THREADED MALE
BP	UNION

ALL* (See Note Preceding MRC AWZY)

AXAN	G	PIPE/TUBE NOMINAL SIZE
------	---	------------------------

Definition: DESIGNATES THE NOMINAL SIZE, SUCH AS LENGTH, WIDTH, DIAMETER, AND THE LIKE, OF THE PIPE AND/OR TUBE.

Reply Instructions: Enter the reply in clear text. (e.g., AXANG3/4 IN. PIPE*; AXANG1/4 IN. PIPE;3/4 IN. PIPE*)

ALL* (See Note Preceding MRC AWZY)

ARKN	D	FLANGE SHAPE
------	---	--------------

Definition: THE PHYSICAL CONFIGURATION OF THE FLANGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARKNDBT*; ARKNDBT\$\$DRD*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
BT	OVAL
RD	ROUND
SQ	SQUARE

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

NOTE FOR MRCS AFQN, AGFF, AND AHTC: IF REPLY CODE BT OR SQ IS ENTERED FOR MRC ARKN, REPLY TO MRCS AFQN AND AGFF.

IF REPLY CODE RD IS ENTERED FOR MRC ARKN, REPLY TO MRC AHTC.

ALL* (See Note Above and Preceding MRC AWZY)

AFQN J FLANGE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A FLANGE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFQNJAA3.000*; AFQNJLA24.5*; AFQNJAB3.000\$\$JAC3.250*; AFQNJAA3.000\$\$JAA3.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRCS AWZY and AFQN)

AGFF J FLANGE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A FLANGE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGFFJAA4.500*; AGFFJLA24.5*; AGFFJAB4.500\$\$JAC4.875*; AGFFJAA4.500\$\$JAA5.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRCS AWZY and AFQN)

AHTC J FLANGE OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A FLANGE, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHTCJAA6.500*; AHTCJLA24.5*; AHTCJAB6.500\$\$JAC6.875*; AHTCJAA6.500\$\$JAA7.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AWZY)

AXAP D FLANGE RAISED FACE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A FLANGE RAISED FACE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXAPDB*; AXAPDB\$\$DC*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL* (See Note Preceding MRC AWZY)

AXAQ A FLANGE BOLT HOLE QUANTITY

Definition: THE NUMBER OF BOLT HOLES IN THE FLANGE.

Reply Instructions: Enter the quantity. (e.g., AXAQA8*; AXAQA8\$\$A9*)

ALL* (See Note Preceding MRC AWZY)

ARZJ J FLANGE BOLT HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE FLANGE BOLT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ARZJJAA6.000*; ARZJLA24.5*; ARZJJAB6.000\$\$JAC6.875*; ARZJJAA6.000\$\$JAA6.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AWZY)

AXAR G FLANGE BOLT HOLE SPACING

Definition: THE SPACING OF THE FLANGE BOLT HOLE(S).

Reply Instructions: Enter the reply in clear text.

(e.g., AXARGEQUALLY SPACED ON 3-1/2 IN. BOLT CIRCLE*)

ALL* (See Note Preceding MRC AWZY)

FIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

ABUJ

A

THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the numeric value, followed by a dash and the number of threads per specific measurement scale.

(e.g., ABUJA0.250-18*;

ABUJA0.250-18\$\$A0.375-14*)

ALL* (See Note Preceding MRC AWZY)

AJYP

D

SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYDPNF*; AJYDPNF\$\$DNP*)

REPLY CODE

NP

NF

REPLY (AH06)

NPT

UNF

ALL* (See Note Preceding MRC AWZY)

AAJF

D

THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDR*; AAJFDL\$\$DR*)

REPLY CODE

L

R

REPLY (AA38)

LEFT-HAND

RIGHT-HAND

FIIG T
Section Parts

SECTION: E

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03226*)

ALL

APHE	D	OPERATION METHOD
------	---	------------------

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAA*; APHEDAA\$DAZ*)

<u>REPLY CODE</u>
AA
AZ
DD

<u>REPLY (AC58)</u>
AIR
FOOT
HAND

NOTE FOR MRCS AXAS, AXFA, AND BGST: REPLY TO MRC AXAS IF REPLY CODE AZ OR DD IS ENTERED FOR MRC APHE.

REPLY TO MRCS AXFA AND BGST IF REPLY CODE AA IS ENTERED FOR MRC APHE.

ALL* (See Note Above)

AXAS	J	LUBRICANT CAPACITY PER STROKE
------	---	-------------------------------

Definition: THE VALUE WHICH REFLECTS THE CAPACITY OF THE LUBRICANT AN ITEM IS DESIGNED TO ACCOMMODATE PER STROKE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXASJU1.600*; AXASJA45.4*; AXASJU1.600\$JU2.600*)

<u>REPLY CODE</u>

<u>REPLY (AB10)</u>

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	GRAMS
		U	OUNCES

ALL* (See Note Preceding MRC AXAS)

AXFA J LUBRICANT DISPENSING CAPACITY PER
MINUTE

Definition: THE VALUE, WHICH REFLECTS THE LUBRICANT DISPENSING
CAPACITY OF AN ITEM, EXPRESSED PER MINUTE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by
the numeric value. (AXFAJP20.000*; AXFAJZ9.2*; AXFAJP20.000\$JP22.000*)

<u>REPLY CODE</u>	<u>REPLY (AB18)</u>
Z	KILOGRAMS
P	POUNDS

ALL* (See Note Preceding MRC AXAS)

BGST J PRESSURE RATING

Definition: THE PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., BGSTJASA80.000*; BGSTJAJA36.0*;
BGSTJASB80.000\$\$JASC90.000*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AJ	KILOGRAMS
LJ	MEGAPASCALS
AS	POUNDS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EB

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
AXAT	J		LUBRICANT CAPACITY

Definition: THE VALUE WHICH REFLECTS THE CAPACITY OF THE LUBRICANT AN ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXATJASA35.000*; AXATJAJA15.5*; AXATJASB25.000\$\$JASC30.000*)

Table 1

REPLY CODE

AJ

AS

REPLY (AG67)

KILOGRAMS

POUNDS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EB

AXAW	J	PRESSURE CAPACITY
------	---	-------------------

Definition: THE MEASURED PRESSURE CAPACITY FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXAWJVA3000.000*; AXAWJKA210.9*; AXAWJVB3000.000\$\$JVC6000.000*)

Table 1

REPLY CODE

K

S

V

REPLY (AB18)

KILOGRAMS PER SQUARE CENTIMETER

MEGAPASCALS

POUNDS PER SQUARE INCH

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

EB

AXEL	D	PUMP TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDH*; AXELDH\$DJ*)

<u>REPLY CODE</u>	<u>REPLY (AA80)</u>
Z	ANY ACCEPTABLE
H	DRUM
J	SELF-CONTAINED

NOTE FOR MRCS AXEM AND AXEN: REPLY TO MRC AXEM IF REPLY CODE J IS ENTERED FOR MRC AXEL.

REPLY TO MRC AXEN IF REPLY CODE H IS ENTERED FOR MRC AXEL.

EB* (See Note Above)

AXEM	J	CONTAINER CAPACITY
------	---	--------------------

Definition: THE RATED CAPACITY OF THE CONTAINER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (AXEMJP30.000*; AXEMJZ13.5*; AXEMJP30.000\$JP40.000*)

<u>REPLY CODE</u>	<u>REPLY (AB18)</u>
Z	KILOGRAMS
P	POUNDS

EB* (See Note Preceding MRC AXEM)

AXEN	D	OPENING TYPE
------	---	--------------

Definition: INDICATES THE TYPE OF OPENING PROVIDED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXENDAF*; AXENDAE\$DAF*)

<u>REPLY CODE</u>	<u>REPLY (AF88)</u>
AE	BUNG

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		AF AB	CENTER FULL

EB

AWZQ D HOSE

Definition: AN INDICATION OF WHETHER OR NOT A HOSE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZQDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ABRY AND AXEP: REPLY TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC AWZQ.

EB* (See Note Above)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJFA5.500*; ABRYJMA1.6*; ABRYJFB5.000\$\$JFC6.000*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
F	FEET
M	METERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EB* (See Note Preceding MRC ABRY)

FIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AXEP

D

COUPLER TYPE

Definition: INDICATES THE TYPE OF COUPLER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXEPDAJ*; AXEPDAM\$DAP*)

REPLY CODE

AH
AJ
AK
AL
AM
AN
AG
AP

REPLY (AH98)

BUTTON
FLARED TUBE
GIANT BUTTON
GOOSENECK
HAND WHEEL
HYDRAULIC
PIN
PIPE

EB

AXEQ

D

LEAKPROOF COVER

Definition: AN INDICATION OF WHETHER OR NOT A LEAKPROOF COVER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXEQDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

EB

AXER

D

FOLLOWER PLATE

Definition: AN INDICATION OF WHETHER OR NOT A FOLLOWER PLATE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXERDB*)

REPLY CODE

B

REPLY (AA49)

INCLUDED

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		NOT INCLUDED

EB

AXES D GREASE GUN

Definition: AN INDICATION OF WHETHER OR NOT A GREASE GUN IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXESDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

EB

AXET D GREASE GUN HOLDING BRACKET

Definition: AN INDICATION OF WHETHER OR NOT A GREASE GUN HOLDING BRACKET IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXETDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

EB

AXEW D GREASE GUN LOADER FITTING

Definition: AN INDICATION OF WHETHER OR NOT A GREASE GUN LOADER FITTING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXEWDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		NOT INCLUDED

EB

AXEZ D LUBRICANT METER

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICANT METER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXEZDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

EB*

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the names and quantities in clear text in alphabetic sequence. (e.g., AKYNGHOSE EXTENSION ASSY 1*)

EA*

AKKF J QUANTITY WITHIN EACH UNIT PACKAGE

Definition: THE NUMBER OF THE VOLUME, FORM, OR THE DOSAGE WITHIN EACH UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AKKFJAF1.5*; AKKFJAF1.5\$JAS7.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AF	GALLONS
AS	POUNDS
AZ	UNITS

FIG T
Section Parts

SECTION: F

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED06128*)

ALL

AXFP	D	DISPLACEMENT TYPE
------	---	-------------------

Definition: INDICATES THE DISPLACEMENT TYPE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXFPDAB*; AXFPDAB\$DAG*)

REPLY CODE

AB

AG

REPLY (AL77)

CONSTANT

VARIABLE

ALL

AKCT	D	SHAFT ROTATION DIRECTION
------	---	--------------------------

Definition: THE DIRECTION OF ROTATION OF A ROTATING SHAFT AS VIEWED FROM THE DRIVE END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKCTDB*; AKCTDB\$\$DC*)

REPLY CODE

B

C

REPLY (AC84)

CLOCKWISE

COUNTERCLOCKWISE

ALL

AEQC	B	OPERATING SPEED AT RATED CAPACITY IN RPM
------	---	--

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Definition: THE SPEED OF THE DRIVE SHAFT REQUIRED TO PRODUCE THE RATED CAPACITY OF AN ITEM, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AEQCB3500.0*; AEQCB3500.0\$B4000.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AEQCKN*)

ALL*

AXFB	G	MAXIMUM WORKING PRESSURE RATING AT SPECIFIED TEMP RANGE
------	---	---

Definition: THE MAXIMUM RATED WORKING PRESSURE OF AN ITEM AT A SPECIFIED TEMPERATURE RANGE.

Reply Instructions: Enter the reply in clear text. (e.g., AXFBG3000PSI AT MINUS 65 DEG F TO PLUS 275 DEG F*)

ALL*

AAPL	J	TORQUE LOAD RATING
------	---	--------------------

Definition: THE ABILITY OF AN ITEM TO WITHSTAND A SPECIFIED TORQUE LOAD WITHOUT FRACTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAPLJG80.7*; AAPLJK93.0*; AAPLJG80.0\$JG90.0*)

<u>REPLY CODE</u>	<u>REPLY (AA56)</u>
K	CENTIMETER-KILOGRAMS
G	INCH-POUNDS

ALL

AXFQ	J	CONSTANT DISPLACEMENT PER REVOLUTION
------	---	--------------------------------------

Definition: AN INDICATION OF THE CONSTANT DISPLACEMENT PER REVOLUTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXFQJB0.095*; AXFQJC1.6)

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AXFQKN*)

<u>REPLY CODE</u>	<u>REPLY (AD42)</u>
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

AWLS D CONNECTION TYPE

Definition: INDICATES THE TYPE OF CONNECTION(S).

Reply Instructions: Enter the applicable Reply Code from the table below. If more than one type and/or size connection is indicated, use AND/OR (\$\$/ \$) Coding, entering the largest type first. (e.g., AWLSDCW;*

AWLSDCX\$\$DCY;*

AWLSDCW\$DCY)*

<u>REPLY CODE</u>	<u>REPLY (AB76)</u>
CW	DRAIN
CX	INLET
CY	OUTLET

NOTE FOR MRCS ASMM, AZFE, AXFC, AECS, ABKG, AZFF, AHNX, AXFD, ABUI, AJYP, APJC, AND AAJF: FOR EACH DIFFERENT TYPE AND/OR SIZE CONNECTION, ENTER THE SAME SEQUENCE AS ENTERED FOR MRC AWLS.

ALL (See Note Above)

ASMM A CONNECTION QUANTITY

Definition: THE NUMBER OF CONNECTIONS FURNISHED.

Reply Instructions: Enter the quantity. (e.g., ASMMA2*; ASMMA2\$\$A4*)

ALL (See Preceding MRC ASMM)

AZFE G CONNECTION GOVERNMENT SPEC/STD

FIIG T
Section Parts

APP
Key MRC Mode Code Requirements

Definition: THE GOVERNMENT SPECIFICATION AND/OR STANDARD THAT SPECIFICALLY COVERS THE CONNECTION.

Reply Instructions: Enter the reply in clear text.

(e.g., AZFEGAND 10050-5*)

ALL (See Note Preceding MRC ASMM)

AXFC D CONNECTION DESIGN

Definition: THE DESIGN OF THE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXFCDLQ*; AXFCDLQ\$\$DLR*)

<u>REPLY CODE</u>
LQ
LR

<u>REPLY (AD07)</u>
FLANGED
THREADED

NOTE FOR MRCS AECS, ABKG, AZFF, AHNX, AXFD, ABUJ, AJYP, APJC, AND AAJF: REPLY TO MRCS AECS, AND ABKG OR AZFF, AND AHNX, OR AXFD IF REPLY TO MRC AXFC IS REPLY CODE LQ.

REPLY TO MRCS ABUJ, AJYP, APJC, AND AAJF IF REPLY TO MRC AXFC IS REPLY CODE LR.

ALL* (See Note Above and Preceding MRC ASMM)

AECS A BOLT HOLE QUANTITY

Definition: THE NUMBER OF BOLT HOLES PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AECSA4*; AECSA2\$\$A4*)

ALL* (See Note Preceding MRCS ASMM and AECS)

ABKG J BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA4.000*; ABKGJLA24.5*; ABKGJAB3.750\$\$JAC4.125*; ABKGJAA4.000\$\$JAA4.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRCS ASMM and AECS)

AZFF G BOLT HOLE SPACING

Definition: THE SPACING IN THE ARRANGEMENT OF THE BOLT HOLES.

Reply Instructions: Enter the reply in clear text.

(e.g., AZFFG2-1/2 IN. BY 2-1/2 IN.*)

ALL* (See Note Preceding MRCS ASMM and AECS)

AHNX J BOLT HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHNXJAA0.563*; AHNXJLA24.5*; AHNXJAB0.250\$\$JAC0.375*; AHNXJAA0.563\$\$JAA0.563*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

REPLY (AC20)

NOMINAL

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRCS ASMM and AECS)

AXFD A BOLT HOLE THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE BOLT HOLE.

Reply Instructions: Enter the numeric value, followed by a dash and the number of threads per specific measurement scale.

(e.g., AXFDA0.250-18*;

AXFDA0.250-18\$\$A0.376-16*)

ALL* (See Note Preceding MRCS ASMM and AECS)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the numeric value, followed by a dash and the number of threads per specific measurement scale.

(e.g., ABUJA0.250-18*;

ABUJA0.250-18\$\$A0.562-18*)

ALL* (See Note Preceding MRCS ASMM and AECS)

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYPDNF*; AJYPDAN\$\$DNP*)

REPLY CODE
AN

REPLY (AH06)
ANPT

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		NP	NPT
		NT	NPTF
		AQ	NS
		SW	SAE
		UN	UN
		NF	UNF

ALL* (See Note Preceding MRCS ASMM and AECS)

APJC D THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APJCDABY*; APJCDABY\$\$DABX*)

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
ABY	EXTERNAL
ABX	INTERNAL

ALL* (See Note Preceding MRCS ASMM and AECS)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDL*; AAJFDL\$\$DR*)

<u>REPLY CODE</u>	<u>REPLY (AA38)</u>
L	LEFT-HAND
R	RIGHT-HAND

ALL

AJAB D DRIVE SHAFT TYPE

Definition: INDICATES THE TYPE OF DRIVE SHAFT BY THE PHYSICAL CONFIGURATION, CONDITION, AND THE LIKE, OF THE SHAFT END.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJABDAG*; AJABDAG\$\$DAM*)

If more than one type shaft is indicated, enter replies in reply table sequence.

<u>REPLY CODE</u>	<u>REPLY (AF58)</u>
AZ	KEYED
AG	MACHINE KEYWAY
AM	PLAIN ROUND
AD	SPLINED, INVOLUTE EXTERNAL
AE	SPLINED, INVOLUTE INTERNAL
AB	SPLINED, STRAIGHT EXTERNAL
AC	SPLINED, STRAIGHT INTERNAL
AN	SQUARE
AF	THREADED
AJ	TONGUE
AH	WOODRUFF KEYWAY

NOTE FOR MRCS ABWV, AXFE, AAST, ABSF, ABRV, AFYS, ABRR, ABSA, AAUJ, AAUH, ASAP, AGJS, AXFG, AXFH, AAZK, ANNL, AGVN, AKAF, AKAL, AHHE, AHHF, AXFK, AXFL, AND ANTX: REPLY TO MRCS ABWV, AXFE, AAST, AND ABSF IF REPLY TO MRC AJAB IS REPLY CODE AZ.

REPLY TO MRCS ABWV, ABRV, AFYS, AND ABRR IF REPLY TO MRC AJAB IS REPLY CODE AG.

REPLY TO MRC ABWV IF REPLY TO MRC AJAB IS REPLY CODE AM.

REPLY TO MRCS ABSA, AAUJ, AAUH, ASAP, AGJS, AXFG, AND AXFH IF REPLY TO MRC AJAB IS REPLY CODE AD OR AE.

REPLY TO MRCS ABSA, AAUJ, AAUH, AND AXFH IF REPLY TO MRC AJAB IS REPLY CODE AB OR AC.

REPLY TO MRCS ABWV, AAZK, AND ANNL IF REPLY TO MRC AJAB IS REPLY CODE AN.

REPLY TO MRCS AGVN, AKAF, AND AKAL IF REPLY TO MRC AJAB IS REPLY CODE AF.

REPLY TO MRCS ABWV, AHHE, AHHF, AND AXFK IF REPLY TO MRC AJAB IS REPLY CODE AJ.

FIIG T
Section Parts

APP
Key MRC Mode Code Requirements

REPLY TO MRCS ABWV, AXFL, AND ANTX IF REPLY TO MRC AJAB IS REPLY CODE AH.

FOR ITEMS WITH MORE THAN ONE TYPE SHAFT, ENTER REPLIES IN THE SAME SEQUENCE AS ESTABLISHED FOR MRC AJAB.

ALL* (See Note Above)

ABWV J SHAFT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SHAFT, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABWVJAA1.748*; ABWVJLA24.5*; ABWVJAB0.750\$\$JAC0.875*; ABWVJAA1.748\$\$JAA1.748*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AXFE J KEY HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF A KEY, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFEJAA0.375*; AXFEJLA64.5*; AXFEJAB0.125\$\$JAC0.250*; ABKGJAA0.375\$\$JAA0.375*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AAST J KEY LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A KEY, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AASTJAA4.000*; AASTJLA24.5*; AASTJAB0.875\$\$JAC1.000*; AASTJAA4.000\$\$JAA4.000*)

Table 1

REPLY CODE

REPLY (AA05)

A

INCHES

L

MILLIMETERS

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

ABSF J KEY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSFJAA0.375*; ABSFJLA24.5*; ABSFJAB0.125\$\$JAC0.250*; ABSFJAA0.375\$\$JAA0.375*)

Table 1

REPLY CODE

REPLY (AA05)

A

INCHES

L

MILLIMETERS

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

ABRV J KEYWAY DEPTH

Definition: A MEASUREMENT FROM THE TOP SURFACE TO THE BOTTOM OF THE KEYWAY GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRVJAA0.125*; ABRVJLA24.5*; ABRVJAB0.125\$\$JAC0.250*; ABRVJAA0.375\$\$JAA0.375*)

Table 1

REPLY CODE

REPLY (AA05)

A

INCHES

L

MILLIMETERS

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AFYS J KEYWAY LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A KEYWAY, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFYSJAA0.250*; AFYSJLA24.5*; AFYSJAB1.875\$\$JAC2.000*; AFYSJAA2.250\$\$JAA2.250*)

Table 1

REPLY CODE

REPLY (AA05)

A

INCHES

L

MILLIMETERS

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

ABRR J KEYWAY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEYWAY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRRJAA0.250*; ABRRJLA24.5*; ABRRJAB0.250\$JAC0.375*; ABRRJAA0.250\$JAA0.250*)

Table 1

REPLY CODE

REPLY (AA05)

A

INCHES

L

MILLIMETERS

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

ABSA A SPLINE QUANTITY

Definition: THE NUMBER OF SPLINE(S) ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA12*; ABSAA12\$A16*)

ALL* (See Note Preceding MRC ABWV)

AAUJ J SPLINE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUJJAA0.650*; AAUJJLA24.5*; AAUJJAB0.875\$\$JAC0.975*; AAUJJAA0.650\$\$JAA0.650*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AAUH J SPLINE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUHJAA0.347*; AAUHJLA24.5*; AAUHJAB0.750\$\$JAC0.875*; AAUHJAA0.347\$\$JAA0.347*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

ASAP A SPLINE PITCH

Definition: A MEASUREMENT OF THE SPLINE PITCH OF THE ITEM.

FIG T
Section Parts

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the pitch values. (e.g., ASAPA20/30*;
ASAPA20/30\$\$A15/30*)

Spline pitch is a combination number. The upper or first number is the diametral pitch.
The lower or second number is the stub pitch.

ALL* (See Note Preceding MRC ABWV)

AGJS J PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER
SPECIFIC MEASUREMENT SCALE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., AGJSJAA0.800*; AGJSJLA24.5*;
AGJSJAB0.813\$\$JAC0.875*; AGJSJAA0.800\$\$JAA0.800*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AXFG B SPLINE PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE OF THE SPLINE, EXPRESSED IN
DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AXFGB30.0*;
AXFGB30.0\$\$B40.0*)

ALL* (See Note Preceding MRC ABWV)

AXFH J SPLINE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SPLINE,
IN DISTINCTION FROM WIDTH.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFHJAA0.625*; AXFHJLA24.5*; AXFHJAB2.250\$\$JAC2.375*; AXFHJAA0.625\$\$JAA0.625*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AAZK J WIDTH ACROSS FLATS

Definition: THE SHORTEST STRAIGHT LINE BETWEEN FLATS, PERPENDICULAR TO THE HEIGHT OF THE WRENCHING SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZKJAA0.500*; AAZKJLA24.5*; AAZKJAB0.500\$\$JAC0.750*; AAZKJAA0.500\$\$JAA0.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

ANNL J SQUARE END LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SQUARE END, IN DISTINCTION FROM WIDTH.

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANNLJAA0.875*; ANNLJLA24.5*; ANNLJAB0.875\$\$JAC0.985*; ANNLJAA0.875\$\$JAA0.875*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AGVN A SHAFT THREAD SIZE

Definition: DESIGNATES THE SHAFT THREAD DIAMETER AND NUMBER OF THREADS PER INCH.

Reply Instructions: Enter the numeric value, followed by a dash and the number of threads per specific measurement scale.

(e.g., AGVNA0.250-18*;

AGVNA0.250-18\$\$A0.250-20*)

ALL* (See Note Preceding MRC ABWV)

AKAF D SHAFT THREAD DIRECTION

Definition: THE DIRECTION OF THE SHAFT THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKAFDR*; AKAFDL\$\$DR*)

REPLY CODE

L

R

REPLY (AA38)

LEFT-HAND

RIGHT-HAND

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL* (See Note Preceding MRC ABWV)

AKAL J SHAFT SCREW THREAD LENGTH

Definition: A MEASURE OF THE EXTENT OF SHAFT SCREW THREADS, INCLUDING INCOMPLETE SCREW THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL THREAD AXIS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AKALJAA1.125*; AKALJLA24.5*; AKALJAB1.125\$\$JAC1.250*; AKALJAA1.125\$\$JAA1.125*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AHHE J TONGUE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A TONGUE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHHEJAA0.437*; AHHEJLA24.5*; AHHEJAB0.437\$\$JAC0.575*; AHHEJAA0.437\$\$JAA0.437*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

C	MAXIMUM
---	---------

ALL* (See Note Preceding MRC ABWV)

AHHF J TONGUE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A TONGUE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHHFJAA0.197*; AHHFJLA24.5*; AHHFJAB0.197\$\$JAC0.250*; AHHFJAA0.197\$\$JAA0.197*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL* (See Note Preceding MRC ABWV)

AXFK J TONGUE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A TONGUE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFKJAA0.375*; AXFKJLA24.5*; AXFKJAB1.250\$\$JAC1.500*; AXFKJAA0.375\$\$JAA0.375*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B

REPLY (AC20)

NOMINAL
MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

C	MAXIMUM
---	---------

ALL* (See Note Preceding MRC ABWV)

AXFL	A	SAE KEY SIZE ACCOMMODATED
------	---	---------------------------

Definition: THE SOCIETY OF AUTOMOTIVE ENGINEERS KEY SIZE DESIGNATION THAT AN ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the size. (e.g., AXFLA807*; AXFLA807\$\$A821*)

ALL* (See Note Preceding MRC ABWV)

ANTX	J	DISTANCE FROM END TO KEYWAY CENTER
------	---	------------------------------------

Definition: THE DISTANCE FROM THE END OF THE ITEM TO THE CENTER OF THE KEYWAY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANTXJAA0.500*; ANTXJLA24.5*; ANTXJAB0.313\$\$JAC0.487*; ANTXJAA0.500\$\$JAA0.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AXFM	A	DRIVE SHAFT GOVERNMENT STANDARD
------	---	---------------------------------

Definition: THE GOVERNMENT STANDARD THAT COVERS THE DRIVE SHAFT.

Reply Instructions: Enter the standard. (e.g., AXFMAAND 10262*)

ALL*

FIIG T
Section Parts

APP
Key MRC Mode Code Requirements

ARQA J SHAFT PROTRUSION LENGTH

Definition: A MEASUREMENT OF THE LONGEST DISTANCE THE SHAFT EXTENDS FROM THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ARQAJAA0.675*; ARQAJLA24.5*; ARQAJAB1.124\$JAC1.250*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AAXX D MOUNTING TYPE

Definition: THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDCL*; AAXXDCL\$DCW*)

REPLY CODE

CL

FA

FB

CW

FC

FD

FE

REPLY (AA78)

BRACKET

END BELL FIXED

FACE

FLANGE

FOOT

PAD

U-TYPE BRACKET

ALL*

AXFN A MOUNTING GOVERNMENT STANDARD

Definition: THE GOVERNMENT STANDARD THAT COVERS THE MOUNTING.

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the standard. (e.g., AXFNAAND 10263*)

ALL*

ABTJ	A	MOUNTING HOLE QUANTITY
------	---	------------------------

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA6*)

NOTE FOR MRCS AFFL, AZFG, AND ABTB: REPLY TO THESE MRCS, AS APPLICABLE, IF A REPLY IS GIVEN FOR MRC ABTJ.

ALL* (See Note Above)

AFFL	J	MOUNTING BOLT CIRCLE DIAMETER
------	---	-------------------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING BOLT CIRCLE, AND TERMINATING AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFFLJAA4.000*; AFFLJLA24.5*; AFFLJAB4.000\$\$JAC4.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AFFL)

AZFG	G	MOUNTING BOLT HOLE SPACING
------	---	----------------------------

Definition: THE SPACING IN THE ARRANGEMENT OF THE MOUNTING BOLT HOLES.

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the reply in clear text. (e.g., AZFGG3.536 IN. BY 3.536 IN.*)

ALL* (See Note Preceding MRC AFFL)

ABTB	J	MOUNTING HOLE DIAMETER
------	---	------------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUNTING HOLE, AND TERMINATING AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.375*; ABTBJLA24.5*; ABTBJAB0.375\$\$JAC0.475*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AJLF	D	HOUSING MATERIAL
------	---	------------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HOUSING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AJLFDBN0000*; AJLFDBN0000\$DBNJ000*)

ALL*

AZFH	D	HOUSING SURFACE TREATMENT
------	---	---------------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE HOUSING SURFACE.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AZFHDENC000*; AZFHDENC000\$DPS0000*)

ALL*

AKYD	G	ACCESSORY COMPONENTS AND QUANTITY
------	---	-----------------------------------

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGCNECTOR 2*)

FIIG T
Section Parts

SECTION: G

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED22220*)

ALL

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., MATLDAL0000*)

For items with multiple or optional materials, enter replies in reply table sequence. (e.g., MATLDAL0000\$\$DBR0000*; MATLDAL0000\$DAR0000*)

ALL

ABMZ	J	DIAMETER
------	---	----------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATING AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA3.025*; ABMZJLA24.5*; ABMZJAB3.125\$\$JAC4.125*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA3.500*; ABKWJLA24.5*; ABKWJAB3.250\$\$JAC3.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AGYE D SURFACE FINISH

Definition: AN ADDITIONAL FINISHING PROCESS BY WHICH THE SURFACE OF AN ITEM IS ALTERED IN RESPECT TO POLISHING, GRINDING, AND THE LIKE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGYEDAL*; AGYEDAL\$DAM*)

REPLY CODE

AL

AM

REPLY (AA41)

FINISHED

SEMIFINISHED

NOTE FOR MRCS AXFR AND SURF: REPLY TO MRC AXFR IF REPLY CODE AL IS ENTERED FOR MRC AGYE.

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

REPLY TO MRC SURF IF REPLY CODE AL IS ENTERED FOR MRC AGYE AND THE SOURCE DOCUMENT INDICATES THE ITEM IS PLATED.

ALL* (See Note Above)

AXFR	D	FINISHED SIZE DESIGNATION
------	---	---------------------------

Definition: THE FINISHED SIZE BY WHICH THE ITEM IS COMMERCIALY KNOWN AND DESIGNATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXFRDG*; AXFRDG\$DH*)

<u>REPLY CODE</u>	<u>REPLY (AE25)</u>
H	OVERSIZE
G	STANDARD

NOTE FOR MRC AXFS: REPLY TO THIS MRC IF REPLY CODE H IS ENTERED FOR MRC AXFR.

ALL* (See Note Above)

AXFS	J	OVERSIZE
------	---	----------

Definition: THE MEASURED AMOUNT OF THE OVERSIZE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFSJAA0.060*; AXFSJLA24.5*; AXFSJAB0.050\$\$JAC0.070*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AXFR)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	SURF	D	SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., SURFDCH0000*; SURFDCH0000\$\$DENC000*)

ALL

AASK	L	HEAD STYLE
------	---	------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HEAD.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group A. (e.g., AASKL3*)

ALL

AXFT	D	SKIRT TYPE
------	---	------------

Definition: INDICATES THE TYPE OF SKIRT INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXFTDNC*; AXFTDNC\$DND*)

<u>REPLY CODE</u>	<u>REPLY (AE98)</u>
NC	FULL SPLIT
ND	SEMISPLIT
AW	SOLID

ALL

AXFX	D	SKIRT BOTTOM CUTAWAY FEATURE
------	---	------------------------------

Definition: AN INDICATION OF WHETHER OR NOT A SKIRT BOTTOM CUTAWAY FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXFXDB*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

NOTE FOR MRC AXFW: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AXFX.

ALL* (See Note Above)

AXFW	J	CUT DEPTH
------	---	-----------

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF A CUT, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFWJAA0.750*; AXFWJLA24.5*; AXFWJAB0.700\$JAC0.900*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CXSP	L	SKIRT SLOT STYLE
------	---	------------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE SKIRT SLOT.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group B. (e.g., CXSPL4*)

If skirt is without slot, omit reply.

ALL*

FIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AXFZ

A

RING GROOVE QUANTITY

Definition: THE NUMBER OF RING GROOVES INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXFZA4*)

If the item has more than one groove size, enter the quantity of each different size in descending order, entering grooves with the greatest width first. If width for all grooves is the same, list grooves with the greatest diameter first. (e.g., AXFZA2\$\$A1*)

NOTE FOR MRCS AXGA, AXGB, AXGD, ACXM, AND AXGE: REPLY TO THESE MRCS AS APPLICABLE IF A REPLY IS GIVEN TO MRC AXFZ.

ALL* (See Note Above)

AXGA

G

RING GROOVE POSITION

Definition: A NUMBER INDICATING THE POSITION(S) OF THE RING GROOVE(S).

Reply Instructions: Enter the reply in clear text. (e.g., AXGAGNO.1, NO. 2, AND NO. 3 POSITIONS*)

In numbering the "position(s)" or ring grooves, designate the top ring groove as number 1 and proceed in numerical sequence downward. This excludes oil grooves which do not receive rings.

ALL* (See Note Preceding MRC AXGA)

AXGB

J

RING GROOVE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A RING GROOVE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXGBJAA0.375*; AXGBJLA8.5*)

For items with more than one groove and of different widths, enter replies in the same sequence as the replies to MRC AXGA. (e.g., AXGBJAA0.375\$\$JAA0.250*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

NOTE FOR MRC AXGC: REPLY TO THIS MRC IF THE RING GROOVE IS TAPERED.

ALL* (See Note Above)

AXGC G GROOVE TAPER ANGLE

Definition: THE ANGLE OF A TAPERED GROOVE.

Reply Instructions: Enter the reply in clear text. (e.g., AXGCG7 DEGREE 26 MINUTES INCLUDED ANGLE*)

ALL* (See Note Preceding MRC AXGA)

AXGD J RING GROOVE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A RING GROOVE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXGDJAA2.191*; AXGDJLA56.0*; AXGDJAB2.191\$\$JAC2.500*)

For items with more than one groove and of different groove diameter, enter replies in the same sequence as the replies to MRC AXGA. (e.g., AXGDJAA2.250\$\$JAA2.125*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AXGA)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	ACXM	D	OIL PASSAGE TYPE

Definition: INDICATES THE TYPE OF OIL PASSAGE INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACXMDC*)

For items with more than one groove and of different oil passages, enter replies in the same sequence as the replies to MRC AXGA. (e.g., ACXMDC\$\$DD*)

<u>REPLY CODE</u>	<u>REPLY (AB99)</u>
C	HOLE
D	SLOT

NOTE FOR MRC AXGE: REPLY TO THIS MRC, WHEN ANY RING GROOVES ARE LOCATED BELOW PISTON PIN HOLES.

ALL* (See Note Above and Preceding MRC AXGA)

AXGE	G	RING GROOVE POSITION BELOW PISTON PIN
------	---	---------------------------------------

Definition: THE BELOW PISTON PIN RING GROOVE POSITION ON THE ITEM.

Reply Instructions: Enter the groove number and location in clear text. (e.g., AXGEGNO. 4 RING GROOVE*)

ALL

AXPH	D	OIL GROOVE
------	---	------------

Definition: AN INDICATION OF WHETHER OR NOT AN OIL GROOVE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPHDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AXPK	J	DISTANCE FROM PIN HOLE CENTER TO EXTREME TOP

Definition: A MEASUREMENT FROM THE CENTER OF THE PIN HOLE TO THE
EXTREME TOP OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., AXPkJAA1.750*; AXPkJLA24.5*;
AXPKJAB1.734\$\$JAC1.766*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AXPL	D	PIN HOLE BUSHING
------	---	------------------

Definition: AN INDICATION OF WHETHER OR NOT A PIN HOLE BUSHING(S)
IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
AXPLDB*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

NOTE FOR MRCS AGVF AND ACXU: REPLY TO MRC AGVF IF REPLY CODE B IS
ENTERED FOR MRC AXPL. REPLY TO MRC ACXU IF REPLY CODE C IS ENTERED
FOR MRC AXPL.

ALL* (See Note Above)

AGVF	J	BUSHING HOLE DIAMETER
------	---	-----------------------

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BUSHING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGVFJAA0.325*; AGVFJLA24.5*; AGVFJAB0.300\$\$JAC0.400*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AGVF)

ACXU									
		J							PINHOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PINHOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACXUJAA0.835*; ACXUJLA24.5*; ACXUJAB0.825\$\$JAC0.845*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AXPM

J

DISTANCE BETWEEN PIN BOSSES

Definition: THEDISTANCE BETWEEN PIN BOSSES ON AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXPMJAA1.500*; AXPMJLA24.5*; AXPMJAB1.490\$\$JAC1.510*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AXPN

D

RETAINING RING GROOVE

Definition: AN INDICATION OF WHETHER OR NOT A RETAINING RING GROOVE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPNDB*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

ALL

AXPP

D

PIN

Definition: AN INDICATION OF WHETHER OR NOT A PIN IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPPDB*)

REPLY CODE

REPLY (AA49)

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	INCLUDED
		C	NOT INCLUDED

ALL

AXPQ D PIN TYPE FOR WHICH DESIGNED

Definition: AN INDICATION OF THE TYPE OF PIN FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPQDAEF*; AXPQDAEF\$DAJY*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
AEF	FLOATING
AJY	LOCKED

ALL

AXPR D RING

Definition: AN INDICATION OF WHETHER OR NOT A RING(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPRDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

AXPS D INTEGRAL CONNECTING ROD

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL CONNECTING ROD IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPSDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

FIIG T
Section Parts

SECTION: H

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15919*)

ALL

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., MATLDALC000*)

For items with multiple materials, enter replies in reply table sequence. (e.g., MATLDALC000\$\$DBR0000*)

ALL*

AAJP	D	OUTSIDE SURFACE TREATMENT
------	---	---------------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE OUTSIDE SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AAJPDAN0000*)

For items with multiple surface treatments, enter replies in the same sequence established for MRC MATL. (e.g., AAJPDAN0000\$\$DCD0000*)

ALL*

AAJQ	D	INSIDE SURFACE TREATMENT
------	---	--------------------------

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE INSIDE SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AAJQDPN0000*)

For items with multiple surface treatments, enter replies in the same sequence established for MRC MATL. (e.g., AAJQDAN0000\$\$DCD0000*)

ALL

AXPT	H	END SHAPE AND LOCATION
------	---	------------------------

Definition: THE PHYSICAL CONFIGURATION OF THE END(S) AND ITS LOCATION ON THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below. (e.g., AXPTAHAAHH; AXPTAHAAHH\$HALAHH*; AXPTFLAHH\$HBKAHH*)*

Table 1

REPLY CODE

AH

AL

FL

LT

BK

REPLY (AD07)

CONCA VE

CONVEX

FLAT

INVERTED

STRAIGHT

Table 2

REPLY CODE

AHH

AHL

REPLY (AJ91)

BOTH ENDS

ONE END

ALL*

AXPW	J	END THICKNESS
------	---	---------------

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE END, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXPWJAA0.438*; AXPWJLA24.5*; AXPWJAB0.438\$\$JAC0.834*; AXPWJAA0.438\$\$JAA0.438*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
		<u>Table 1</u>	
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

NOTE FOR MRCS AXPY, AXPZ, AXQA, AXQB, ABUI, AJYP, AND AAJF: IF THE ITEM HAS TWO OR MORE DIFFERENT SIZE OPENINGS, ENTER THE LARGEST OPENING FIRST.

ALL (See Note Above)

AXPY A OPENING QUANTITY

Definition: THE NUMBER OF OPENINGS IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXPYA2*; AXPYA2\$\$A4*)

ALL (See Note Preceding MRC AXPY)

AXPZ J OPENING SIZE

Definition: DESIGNATES THE SIZE OF THE TOTAL SURFACE OF AN OPENING.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXPZJA0.875*; AXPZJL22.2*; AXPZJA0.875\$\$JA1.000*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL (See Note Preceding MRC AXPY)

AXQA G OPENING LOCATION

Definition: INDICATES THE LOCATION OF THE OPENING(S) IN THE ITEM.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the reply in clear text. (e.g., AXQAG1 ON BOTTOM;2 ON ENDS*)

ALL (See Preceding MRC AXPY)

AXQB	D	OPENING CHARACTERISTIC
------	---	------------------------

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE OPENING(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQBDAD*; AXQBDAD\$DAE*)

REPLY CODE

AD
AE

REPLY (AL72)

THREADED
UNTHREADED

NOTE FOR MRCS ABUJ, AJYP, AND AAJF: REPLY TO THESE MRCS IF REPLY CODE AD IS ENTERED FOR MRC AXQB.

ALL* (See Note Above and Preceding MRC AXPY)

ABUJ	A	THREAD SIZE
------	---	-------------

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the numeric value, followed by the a dash and the number of threads per specific measurement scale.

(e.g., ABUJA0.250-18*;

ABUJA0.250-18\$\$A0.500-14*)

ALL* (See Note Preceding MRCS AXPY and ABUJ)

AJYP	D	SCREW THREAD SERIES DESIGNATOR
------	---	--------------------------------

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYPDNC*; AJYPDNC\$DNF*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

REPLY CODE

NP
NT
UN
NC
NF

REPLY (AH06)

NPT
NPTF
UN
UNC
UNF

ALL* (See Note Preceding MRCS AXPY and ABUI)

AAJF	D	THREAD DIRECTION
------	---	------------------

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDR*; AAJFDL\$DR*)

REPLY CODE

L
R

REPLY (AA38)

LEFT-HAND
RIGHT-HAND

ALL*

ALWB	D	DRAIN TYPE
------	---	------------

Definition: INDICATES THE TYPE OF DRAIN.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALWBDN*; ALWBDN\$DS*)

REPLY CODE

A
N
P
Q
R
M
S
T

REPLY (AA96)

ANY ACCEPTABLE
BOTTOM
CENTER
CLEANOUT PLUG
END
ROTARY
SIDE
SIPHON

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA6.000*; ABHPJLA24.5*; ABHPJAB27.000\$JAC28.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA10.250*; ADAVJLA24.5*; ADAVJAB10.000\$JAC11.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

ALL

AXQC J OUTER SHELL MATERIAL THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE OUTER SHELL MATERIAL, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXQCJAA0.185*; AXQCJLA24.5*; AXQCJAB0.100\$\$JAC0.200*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AEVK J PRESSURE RATING

Definition: THE PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVKJVA105.0*; AEVKJKA7.3*; AEVKJVB100.0\$\$JVC150.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AEVKKN*)

Table 1

REPLY CODE

K

S

V

REPLY (AB18)

KILOGRAMS PER SQUARE CENTIMETER

MEGA PASCALS

POUNDS PER SQUARE INCH

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		MAXIMUM

ALL*

AXQD J CAPACITY

Definition: A MEASUREMENT OF THE CAPACITY OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXQDJAF25.000*; AXQDJCC88.0*; AXQDJAF25.000\$JAF30.000*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AC	CUBIC CENTIMETERS
CP	CUBIC INCHES
AF	GALLONS
CC	LITERS

ALL*

AJNY D LINING MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE LINING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AJNYDSN0000*)

For items with multiple materials, enter replies in reply table sequence. (e.g., AJNYDST0000\$\$DZN0000*)

ALL

AXQE D MOUNTING BASE

Definition: AN INDICATION OF WHETHER OR NOT A MOUNTING BASE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQEDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

NOTE FOR MRC ADSM: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AXQE.

ALL* (See Note Above)

ADSM D MOUNTING POSITION

Definition: THE INSTALLED POSITION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADSMDD*; ADSMDB\$DD*)

REPLY CODE
B
D

REPLY (AC60)
HORIZONTAL
VERTICAL

FIIG T
Section Parts

SECTION: J

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13126*)

ALL

AXQD	J	CAPACITY
------	---	----------

Definition: A MEASUREMENT OF THE CAPACITY OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXQDJBX75.0*; AXQDJBX69.0*; AXQDJBX75.0\$JBY90.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AXQDKN*)

<u>REPLY CODE</u>
BX
BY

<u>REPLY (AG67)</u>
METRIC TONS
TONS

ALL

ALPK	J	RETRACTED HEIGHT
------	---	------------------

Definition: A MEASUREMENT FROM THE MOUNTING BASE TO THE TOP OF AN ITEM WHEN RETRACTED, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALPKJAA10.000*; ALPKJLA24.5*; ALPKJAB10.000\$\$JAC12.000*)

<u>Table 1</u>
<u>REPLY CODE</u>
A
L

<u>REPLY (AA05)</u>
INCHES
MILLIMETERS

FIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AJLT J EXTENDED HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN OBJECT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJLTJAA17.500*; AJLTJLA24.5*; AJLTJAB17.500\$\$JAC18.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA4.500*; ADAVJLA24.5*; ADAVJAB4.000\$\$JAC5.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

AXQF J PLUNGER DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PLUNGER, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXQFJAA1.875*; AXQFJLA24.5*; AXQFJAB1.875\$\$JAC2.125*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AJYN J SCREW THREAD DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A COXIAL CYLINDER WHICH WOULD BOUND THE CREST OF AN EXTERNAL THREAD OR THE ROOT OF AN INTERNAL THREAD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJYNJAA0.750*; AJYNJLA24.5*; AJYNJAB0.750\$\$JAC0.875*)

Table 1

REPLY CODE

A

REPLY (AA05)

INCHES

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

AJYQ B SCREW THREAD QUANTITY PER INCH

Definition: THE NUMBER OF SCREW THREADS ON THE ITEM PER LINEAR INCH MEASURED ON A LINE PARALLEL TO THE THREAD AXIS, INCLUDING INCOMPLETE THREADS.

Reply Instructions: Enter the quantity. (e.g., AJYQB16.000*)

When the source document cites fractions, i.e., 4-1/2, convert the replies to decimal form. (e.g., AJYQB4.500*)

See Appendix C, Table 1 for conversion.

ALL*

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYPDAN*; AJYPDAN\$DPG*)

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
AN	ANPT
AE	IPS
PG	NPI
SP	NPS
NP	NPT
NT	NPTF
NF	UNF

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
ALL			
	AXQG	D	CARRYING HANDLE
	Definition: AN INDICATION OF WHETHER OR NOT A CARRYING HANDLE IS INCLUDED.		
	Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQGDB*)		
		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

FIIG T
Section Parts

SECTION: K

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17566*)

ALL

AAFZ	D	BODY MATERIAL
------	---	---------------

Definition: THE BASIC MATERIAL OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AAFZDFE000*)

For items with optional materials, enter replies in reply table sequence. (e.g., AAFZDFE0000\$DPB0000*)

ALL

APHE	D	OPERATION METHOD
------	---	------------------

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDGY*; APHEDGY\$DGZ*)

REPLY CODE

AA
GY
GZ
BN
BZ

REPLY (AC58)

AIR
GASOLINE
HYDRAULIC OIL
STEAM
WATER

ALL

AXQN	J	MAXIMUM CAPACITY RATING
------	---	-------------------------

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Definition: A MEASUREMENT OF THE CAPACITY FOR WHICH AN ITEM IS RATED.

Reply Instructions: For items designed to operate with water, gasoline, or hydraulic oil, enter the applicable Reply Code DS or DT from the table below, followed by the numeric value. (e.g., AXQNJDS700.000*; AXQNJDT2649.5*; AXQNJDS700.000\$JDS800.000*)

For items designed to operate with air or steam, enter the applicable Reply Code BD or DR, followed by the numeric value. (e.g., AXQNJBD80.000*; AXQNJDR2265600.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AXQNK*)

<u>REPLY CODE</u>	<u>REPLY (AB49)</u>
DR	CUBIC CENTIMETERS PER MINUTE
BD	CUBIC FEET PER MINUTE
DS	GALLONS PER HOUR
DT	LITERS PER HOUR

NOTE FOR MRC CZLW: REPLY TO MRC CZLW IF A POSITIVE REPLY IS ENTERED FOR MRC AXQN.

ALL* (See Note Above)

CZLW	J	MAXIMUM DRIVING PRESSURE CAPACITY RATING
------	---	---

Definition: THE MAXIMUM DRIVING PRESSURE CAPACITY FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CZLWJBB40.000*; CZLWJAV2.8*; CZLWJBB4.000\$JBB5.000*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CZLWKN*)

<u>REPLY CODE</u>	<u>REPLY (AG20)</u>
AV	KILOGRAMS PER SQUARE CENTIMETER
DK	MEGAPASCALS
BB	POUNDS PER SQUARE INCH

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL*

ACKL	D	MEDIA FOR WHICH DESIGNED
------	---	--------------------------

Definition: THE TYPE OF SERVICE WITH WHICH THE ITEM IS DESIGNED TO BE USED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2. (e.g., ACKLDAB*)

If the source document indicates more than one different material to be pumped, enter replies in reply table sequence. (e.g., ACKLDBE\$\$DSB*)

NOTE FOR MRCS AXQQ, AXQL, AXQS, AND/OR AXQR: IF THE SOURCE DOCUMENT INDICATES MORE THAN ONE TYPE AND/OR SIZE OF PRESSURE INLETS, ENTER THE REPLIES OF EACH INLET, ENTERING REPLIES IN ACCORDANCE WITH PRIORITY LISTING SHOWN IN APPENDIX C, TABLE 2.

ALL (See Note Above)

AXQQ	A	PRESSURE INLET QUANTITY
------	---	-------------------------

Definition: THE NUMBER OF PRESSURE INLETS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXQQA2*; AXQQA2\$\$A5*)

ALL (See Note Preceding MRC AXQQ)

AXQL	D	PRESSURE INLET TYPE
------	---	---------------------

Definition: INDICATES THE TYPE OF PRESSURE INLET PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQLDAY*; AXQLDAY\$\$DAZ*)

REPLY CODE

AY
AZ
BA
AJ
AK
BB

REPLY (AA84)

GROOVED
PLAIN FACE FLANGE
RAISED FACE FLANGE
THREADED FEMALE
THREADED MALE
UNTHREADED FEMALE

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

NOTE FOR MRCS AXQS AND AXQR: REPLY TO MRC AXQS IF REPLY CODE AZ, BA, AJ, OR AK IS ENTERED FOR MRC AXQL. REPLY TO MRC AXQR IF REPLY CODE AY OR BB IS ENTERED.

ALL* (See Note Above and Preceding MRC AXQQ)

AXQS	G	PRESSURE INLET PIPE/HOSE CONNECTION SIZE
------	---	--

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE PRESSURE INLET PIPE AND/OR HOSE CONNECTION.

Reply Instructions: Enter the reply in clear text.

(e.g., AXQSG1-1/4 IN. IPS*)

ALL* (See Note Preceding MRCS AXQQ and AXQS)

AXQR	G	PRESSURE INLET OPENING SIZE
------	---	-----------------------------

Definition: DESIGNATES THE SIZE OF THE TOTAL SURFACE OF A PRESSURE INLET OPENING.

Reply Instructions: Enter the reply in clear text.

(e.g., AXQRG2-1/2 IN. BY 5 IN. OPENING*)

NOTE FOR MRCS AXQT, AXQW, AND AXRB, AND/OR AXRA: IF THE SOURCE DOCUMENT INDICATES MORE THAN ONE TYPE AND/OR SIZE OF SUCTION INLETS, ENTER THE REPLIES OF EACH INLET, ENTERING REPLIES IN ACCORDANCE WITH PRIORITY LISTING SHOWN IN APPENDIX C, TABLE 2.

ALL (See Note Above)

AXQT	A	SUCTION INLET QUANTITY
------	---	------------------------

Definition: THE NUMBER OF SUCTION INLETS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXQTA2*; AXQTA2\$\$A4*)

ALL (See Note Preceding MRC AXQT)

AXQW	D	SUCTION INLET TYPE
------	---	--------------------

Definition: INDICATES THE TYPE OF SUCTION INLET PROVIDED.

FIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQWDAJ*; AXQWDAZ\$\$DBA*)

<u>REPLY CODE</u>	<u>REPLY (AA84)</u>
AY	GROOVED
AZ	PLAIN FACE FLANGE
BA	RAISED FACE FLANGE
AJ	THREADED FEMALE
AK	THREADED MALE
BB	UNTHREADED FEMALE

NOTE FOR MRCS AXRB AND AXRA: REPLY TO MRC AXRB, IF REPLY CODE AZ, BA, AJ, OR AK IS ENTERED FOR MRC AXQW.

REPLY TO MRC AXRA IF REPLY CODE AY OR BB IS ENTERED FOR MRC AXQW.

ALL* (See Note Above and Preceding MRC AXQT)

AXRB	G	SUCTION INLET PIPE/HOSE CONNECTION SIZE
------	---	---

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE SUCTION INLET PIPE AND/OR HOSE CONNECTION.

Reply Instructions: Enter the reply in clear text. (e.g., AXRBG2 IN. NH SIZE*)

ALL* (See Note Preceding MRCS AXQT and AXRB)

AXRA	G	SUCTION INLET OPENING SIZE
------	---	----------------------------

Definition: DESIGNATES THE SIZE OF THE TOTAL SURFACE OF A SUCTION INLET OPENING.

Reply Instructions: Enter the reply in clear text.

(e.g., AXRAG2-1/2 IN. 5 IN. OPENING*)

NOTE FOR MRCS AXQX, AXQY, AND AXQZ: IF THE SOURCE DOCUMENT INDICATES MORE THAN ONE TYPE AND/OR SIZE OF DISCHARGE OUTLETS, ENTER THE REPLIES OF EACH OUTLET, ENTERING REPLIES IN ACCORDANCE WITH PRIORITY LISTING SHOWN IN APPENDIX C, TABLE 2.

ALL (See Note Above)

FIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

AXQX	A	DISCHARGE OUTLET QUANTITY
------	---	---------------------------

Definition: THE NUMBER OF DISCHARGE OUTLETS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXQXA1*; AXQXA2\$\$A3*)

ALL (See Note Preceding MRC AXQX)

AXQY	D	DISCHARGE OUTLET TYPE
------	---	-----------------------

Definition: INDICATES THE TYPE OF DISCHARGE OUTLET PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQYDBB*; AXQYDBA\$\$DBB*)

<u>REPLY CODE</u>	<u>REPLY (AA84)</u>
AY	GROOVED
AZ	PLAIN FACE FLANGE
BA	RAISED FACE FLANGE
AJ	THREADED FEMALE
AK	THREADED MALE
BB	UNTHREADED FEMALE

NOTE FOR MRC AXQZ : REPLY TO MRC AXQZ IF REPLY CODE AZ, BA, AJ, OR AK IS ENTERED FOR MRC AXQY.

ALL* (See Note Above and Preceding MRC AXQX)

AXQZ	G	DISCHARGE OUTLET PIPE/HOSE CONNECTION SIZE
------	---	---

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE DISCHARGE OUTLET PIPE AND/OR HOSE CONNECTION.

Reply Instructions: Enter the reply in clear text. (e.g., AXQZG2 IN. NH SIZE*)

ALL*

AYCB	D	SUCTION STRAINER TYPE
------	---	-----------------------

Definition: INDICATES THE TYPE OF SUCTION STRAINER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYCBDE*; AYCBDB\$DE*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AA21)</u>
		A	ANY A CCEPTABLE
		B	CYLINDRICAL
		E	PLATE

ALL

AYCC A JET QUANTITY

Definition: THE NUMBER OF JETS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYCCA2*; AYCCA1\$A3*)

ALL

AYCD D JET MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE JET IS FABRICATED EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Table 3. (e.g., AYCDDBR0000*)

For items with multiple materials, enter replies in reply table sequence. (e.g., AYCDDBR0000\$\$DFE0000*)

FIIG T
Section Parts

SECTION: L

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19731*)

ALL

AYCG	J	DELIVERY RATE PER HOUR
------	---	------------------------

Definition: THE MAXIMUM OUTPUT DELIVERED BY THE ITEM PER HOUR.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYCGJG250.0*; AYCGJL946.2*; AYCGJG25.0\$JG350.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYCGKN*)

REPLY CODE

G
L

REPLY (AB10)

GALLONS
LITERS

ALL

CZLX	J	TANK CUTOUT PRESSURE RATING
------	---	-----------------------------

Definition: THE RATED PRESSURE AT WHICH THE TANK CUTOUT IS SET.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CZLXJBBA49.000*; CZLXJAVA2.8*; CZLXJBBB20.0\$JBBC40.000*)

Table 1

REPLY CODE

AV
DK
BB

REPLY (AG20)

KILOGRAMS PER SQUARE CENTIMETER
MEGAPASCALS
POUNDS PER SQUARE INCH

Table 2

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			<u>REPLY (AC20)</u>
			<u>REPLY CODE</u>
			A NOMINAL
			B MINIMUM
			C MAXIMUM

ALL

CZLY J TANK CUT- IN PRESSURE RATING

Definition: THE RATED PRESSURE AT WHICH THE TANK CUT-IN IS SET.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CZLYJBBA20.000*; CZLYJDKA1.4*; CZLYJBBB19.000\$JBBC20.000*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AG20)</u>
AV	KILOGRAMS PER SQUARE CENTIMETER
DK	MEGAPASCALS
BB	POUNDS PER SQUARE INCH

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AHZH D SELF-PRIMING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SELF-PRIMING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHZHDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

NOTE FOR MRC AHYY: REPLY TO THIS MRC IF REPLY OCDE B IS ENTERED FOR MRC AHZH.

ALL* (See Note Above)

AHYY	J	SUCTION LIFT
------	---	--------------

Definition: THE VERTICAL DISTANCE FROM THE LEVEL OF SUPPLY TO THE CENTER OF THE PUMP.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AHYYJF15.6*; AHYYJM04.8*; AHYYJF15.6\$\$JF22.5*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
F	FEET
M	METER

ALL

AKDJ	D	PRIME MOVER TYPE
------	---	------------------

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJAD*; AKDJAD\$DAE*)

<u>REPLY CODE</u>	<u>REPLY (AG27)</u>
AD	ELECTRIC MOTOR
AE	GASOLINE ENGINE

NOTE FOR MRC AHZX AND ACDC: REPLY TO MRCS AHZX AND ACDC IF REPLY CODE AD IS ENTERED FOR MRC AKDJ.

REPLY TO MRC AHZX, IF REPLY CODE AE IS ENTERED FOR MRC AKDJ.

ALL* (See Note Above)

AHZX	B	PRIME MOVER HORSEPOWER RATING
------	---	-------------------------------

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB0.250*)

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL* (See Note Preceding MRC AHZX)

ACDC	D	CURRENT TYPE
------	---	--------------

Definition: THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: REPLY TO MRCS ELEC, FREQ, AND FAAZ IF REPLY CODE B OR D IS ENTERED FOR MRC ACDC.

REPLY TO MRC ELEC IF REPLY CODE C IS ENTERED FOR MRC ACDC.

ALL* (See Note Above)

ELEC	B	VOLTAGE IN VOLTS
------	---	------------------

Definition: THE TOTAL ELECTRICAL VOLTAGE

Reply Instructions: Enter the numeric value. (e.g., ELECB115.0*; ELECB115.0\$B220.0*)

ALL* (See Note Preceding MRC ELEC)

FREQ	B	FREQUENCY IN HERTZ
------	---	--------------------

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*; FREQB50.0\$B60.0*)

ALL* (See Note Preceding MRC ELEC)

FAAZ	D	PHASE
------	---	-------

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

FIIG T
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL

AMKA J TANK CAPACITY

Definition: INDICATES CAPACITY OF THE TANK.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AMKAJG315.0*; AMKAJL1134.0*; AMKAJG120.0\$JG315.0*)

<u>REPLY CODE</u>	<u>REPLY (AB10)</u>
G	GALLONS
L	LITERS

ALL

AZGN D TANK POSITION

Definition: THE POSITION OF THE TANK ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZGNDK*; AZGNDK\$DL*)

<u>REPLY CODE</u>	<u>REPLY (AE25)</u>
L	HORIZONTAL
K	VERTICAL

ALL

AXEL D PUMP TYPE

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

FIIG T
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDE*; AXELDD\$DE*)

REPLY CODE

D
E

REPLY (AA80)

CENTRIFUGAL
RECIPROCATING

NOTE FOR MRC AYCK: REPLY TO THIS MRC IF REPLY CODE D IS ENTERED FOR MRC AXEL.

ALL* (See Note Above)

AYCK	D	PERIPHERAL FLOW FEATURE
------	---	-------------------------

Definition: AN INDICATION OF WHETHER OR NOT A PERIPHERAL FLOW FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYCKDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

ALL

AYCL	J	INLET SUCTION SIZE
------	---	--------------------

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE INLET SUCTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYCLJA1.000*; AYCLJL25.4*; AYCLJA1.000\$JA7.000*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

ALL

AYCM	D	CORROSION RESISTANT FEATURE
------	---	-----------------------------

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT A CORROSION RESISTANT FEATURES IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYC MDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

AYCN	D	AUTOMATIC AIR VOLUME CONTROL FEATURE
------	---	---

Definition: AN INDICATION OF WHETHER OR NOT AN AUTOMATIC AIR VOLUME CONTROL FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYC NDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

AYCP	D	UNIT MOUNTED FEATURE
------	---	----------------------

Definition: AN INDICATION OF WHETHER OR NOT A UNIT MOUNTED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYCP DB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AYCQ	A	SERVICE CONNECTION QUANTITY

Definition: THE NUMBER OF SERVICE CONNECTIONS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYCQA1*; AYCQA1\$A3*)

ALL

AYCR	J	SERVICE CONNECTION SIZE
------	---	-------------------------

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE SERVICE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYCRJA1.000*; AYCRJL25.4*; AYCRJA1.000\$\$JA2.000*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

ALL

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA42.000*; ABHPJLA50.8*; ABHPJAB42.000\$\$JAC46.000*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA58.000*; ABMKJLA24.5*; ABMKJAB21.000\$\$JAC24.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA21.000*; ABKWJLA24.5*; ABKWJAB21.000\$\$JAC31.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			

ALL

AYCS D DEEP WELL CONVERSION FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A DEEP WELL
CONVERSION FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
AYCSDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

ALL

AYCT D SALT WATER SERVICE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SALT WATER SERVICE
FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
AYCTDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

FIG T
Section Parts

SECTION: M

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11018*)

ALL

AXEL	D	PUMP TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDD*; AXELDE\$DF*)

<u>REPLY CODE</u>	<u>REPLY (AA80)</u>
D	CENTRIFUGAL
E	RECIPROCATING
F	ROTARY

NOTE FOR MRCS AYCW AND AYCX: REPLY TO THESE MRCS ONLY WHEN REQUIRED FOR IDENTIFICATION.

ALL* (See Note Above)

AYCW	G	PUMP MANUFACTURER NAME
------	---	------------------------

Definition: THE NAME OF THE PUMP MANUFACTURER.

Reply Instructions: Enter the reply in clear text. (e.g., AYCWGBLANK CO*)

ALL* (See Note Preceding MRC AYCW)

AYCX	G	PUMP MANUFACTURER IDENTIFYING NUMBER
------	---	---

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE PUMP.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., AYCXGTYPE NO. 2*)

ALL

AWZD D SUCTION CONNECTION TYPE

Definition: INDICATES THE TYPE OF SUCTION CONNECTION(S) INTEGRAL WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZDDBC*; AWZDDAQ\$\$DAW*)

<u>REPLY CODE</u>	<u>REPLY (AA84)</u>
AQ	FLANGED
BC	QUICK DISCONNECT
AW	THREADED

NOTE FOR MRCS AYC Y, AYC Z, AZFJ, AYDA, AYDC, AYDD, AYDE, AYDF, AYDB, AJUN, AND AYDJ: REPLY TO MRCS AYC Y, AYC Z, AZFJ, AND AYDA IF REPLY CODE AW IS ENTERED FOR MRC AWZD.

REPLY TO MRCS AYDC, AYDD, AYDE, AYDF, AND AYDB IF REPLY CODE AQ IS ENTERED FOR MRC AWZD.

REPLY TO MRCS AJUN, AND AYDJ IF REPLY CODE BC IS ENTERED FOR MRC AWZD.

ALL* (See Note Above)

AYCY D SUCTION CONNECTION THREAD LOCATION

Definition: THE LOCATION OF THE THREADS ON THE SUCTION CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYC YDABY*; AYC YDABX\$DABY*)

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
ABY	EXTERNAL
ABX	INTERNAL

ALL* (See Note Preceding MRC AYC Y)

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AYCZ

J

SUCTION CONNECTION PIPE SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE SUCTION CONNECTION PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYCZJA2.500*; AYCZJL63.5*; AYCZJA2.500\$JA3.000*)

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

ALL* (See Note Preceding MRC AYC Y)

AZFJ

J

SUCTION CONNECTION THREAD QUANTITY

Definition: A MEASUREMENT OF THE NUMBER OF THREADS ON THE SUCTION CONNECTION, INCLUDING INCOMPLETE THREADS ON A LINE PARALLEL TO THE THREAD AXIS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZFJJC11.500*; AZFJJJ292.1*; AZFJJC8.000\$JC11.500*)

REPLY CODE

C

J

REPLY (AB39)

PER INCH

PER MILLIMETER

ALL* (See Note Preceding MRC AYC Y)

AYDA

D

SUCTION CONNECTION THREAD SERIES
DESIGNATOR

Definition: A DESIGNATOR INDICATING THE DIAMETER-PITCH AND THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A SERIES OF DIAMETERS OF THE SUCTION CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYDADNP*; AYDADNP\$DTS*)

REPLY CODE

NQ

NP

REPLY (AH06)

NEF

NPT

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

TS	NPTS
----	------

ALL* (See Note Preceding MRC AYC Y)

AYDC	J	SUCTION CONNECTION FLANGE THICKNESS
------	---	-------------------------------------

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE SUCTION CONNECTION FLANGE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYDCJAA0.375*; AYDCJLA24.5*; AYDCJAB0.125\$\$JAC0.185*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL* (See Note Preceding MRC AYC Y)

AYDD	J	SUCTION CONNECTION FLANGE BOLT CIRCLE DIAMETER
------	---	---

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SUCTION CONNECTION FLANGE BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYDDJAA3.000*; AYDDJLA24.5*; AYDDJAB2.000\$\$JAC3.000*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AYC Y)

AYDE	A	SUCTION CONNECTION FLANGE BOLT HOLE QUANTITY
------	---	---

Definition: THE NUMBER OF SUCTION CONNECTION FLANGE BOLT HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYDEA8*; AYDEA4\$A6*)

ALL* (See Note Preceding MRC AYC Y)

AYDF	J	SUCTION CONNECTION FLANGE BOLT HOLE DIAMETER
------	---	---

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SUCTION CONNECTION FLANGE BOLT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYDFJAA0.375*; AYDFJLA24.5*; AYDFJAB1.000\$JAC2.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AYC Y)

AYDB	D	SUCTION CONNECTION FLANGE TYPE
------	---	--------------------------------

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF SUCTION CONNECTION FLANGE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYDBDFQ*; AYDBDET\$DFQ*)

<u>REPLY CODE</u>	<u>REPLY (AA78)</u>
FQ	DRILLED
ET	PLAIN

NOTE FOR MRC AYDG: REPLY TO THIS MRC IF REPLY CODE ET IS ENTERED FOR MRC AYDB.

ALL* (See Note Above)

AYDG	J	SUCTION CONNECTION FLANGE PIPE SIZE
------	---	-------------------------------------

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE SUCTION CONNECTION FLANGE PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYDGJA4.000*; AYDGJL101.6*; AYDGJA4.000\$JA5.000*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC AYC Y)

AJUN	L	SUCTION CONNECTION QUICK DISCONNECT STYLE
------	---	--

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE SUCTION CONNECTION QUICK DISCONNECT.

Reply Instructions: Enter the applicable group designator and style number from [Appendix B](#), Reference Drawing Group C. (e.g., AJUNLC4*)

ALL* (See Note Preceding MRC AYC Y)

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AYDJ	G	SUCTION CONNECTION QUICK DISCONNECT SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE SUCTION CONNECTION QUICK DISCONNECT.

Reply Instructions: Enter the reply in clear text.

(e.g., AYDJG1-1/4 IN.*)

ALL

ASHJ	D	DISCHARGE CONNECTION TYPE
------	---	---------------------------

Definition: INDICATES THE TYPE OF DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASHJDBJ*; ASHJDBJ\$DCH*)

<u>REPLY CODE</u>	<u>REPLY (AB76)</u>
BJ	FLANGED
CH	QUICK DISCONNECT
BG	THREADED

NOTE FOR MRCS AKSD, AYDK, AZFK, AQLJ, AEPS, AYDL, AYDM, AYDN, AYHP, CXSX, AND AYHL: REPLY TO MRCS AKSD, AYDK, AZFK, AND AQLJ IF REPLY CODE BG IS ENTERED FOR MRC ASHJ.

REPLY TO MRCS AEPS, AYDL, AYDM, AYDN, AND AYHP IF REPLY CODE BJ IS ENTERED FOR MRC ASHJ.

REPLY TO MRCS CXSX AND AYHL IF REPLY CODE CH IS ENTERED FOR MRC ASHJ.

ALL* (See Note Above)

AKSD	D	DISCHARGE CONNECTION THREAD LOCATION
------	---	---

Definition: THE LOCATION OF THE THREADS ON A DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSDDABY*; AKSDDABX\$DABY*)

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

REPLY CODE
ABY
ABX

REPLY (AJ91)
EXTERNAL
INTERNAL

ALL* (See Note Preceding MRC AKSD)

AYDK J DISCHARGE CONNECTION PIPE SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE DISCHARGE CONNECTION PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYDKJA2.500*; AYDKJL63.5*; AYDKJA2.500\$JA3.000*)

REPLY CODE
A
L

REPLY (AA05)
INCHES
MILLIMETERS

ALL* (See Note Preceding MRC AKSD)

AZFK J DISCHARGE CONNECTION THREAD
QUANTITY

Definition: A MEASUREMENT OF THE NUMBER OF THREADS ON THE DISCHARGE CONNECTION, INCLUDING INCOMPLETE THREADS, ON A LINE PARALLEL TO THE THREAD AXIS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZFKJC11.500*; AZFKJJ279.4*; AZFKJC11.500\$JC12.000*)

For items indicating fractions, see Appendix C, Table 1 for conversion.

REPLY CODE
C
J

REPLY (AB39)
PER INCH
PER MILLIMETER

ALL* (See Note Preceding MRC AKSD)

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AQLJ	D	DISCHARGE CONNECTION THREAD SERIES

Definition: A DESIGNATION INDICATING THE DIAMETER-PITCH COMBINATION AND THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A SERIES OF SPECIFIC DIAMETERS OF THE DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLJDNP*; AQLJDNQ\$DTS*)

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
NQ	NEF
NP	NPT
TS	NPTS

ALL* (See Note Preceding MRC AKSD)

AEPS	J	DISCHARGE CONNECTION FLANGE THICKNESS
------	---	---------------------------------------

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE DISCHARGE CONNECTION FLANGE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEPSJAA0.375*; AEPSJLA24.5*; AEPSJAB0.375\$\$JAC0.475*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AKSD)

AYDL	J	DISCHARGE CONNECTION FLANGE BOLT
------	---	----------------------------------

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE DISCHARGE CONNECTION FLANGE BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYDLJAA3.000*; AYDLJLA24.5*; AYDLJAB2.750\$\$JAC3.125*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AKSD)

AYDM	A	DISCHARGE CONNECTION FLANGE BOLT HOLE QUANTITY
------	---	---

Definition: THE NUMBER OF BOLT HOLES IN THE DISCHARGE CONNECTION FLANGE.

Reply Instructions: Enter the quantity. (e.g., AYDMA8*; AYDMA4\$A8*)

ALL* (See Note Preceding MRC AKSD)

AYDN	J	DISCHARGE CONNECTION FLANGE BOLT HOLE DIAMETER
------	---	---

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE DISCHARGE CONNECTION FLANGE BOLT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYDNJAA0.375*; AYDNJLA24.5*; AYDNJAB0.375\$\$JAC0.475*)

Table 1

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC AKDS)

AYHP D DISCHARGE CONNECTION FLANGE TYPE

Definition: INDICATES THE TYPE OF DISCHARGE CONNECTION FLANGE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYHPDF*; AYHPDET\$DFQ*)

<u>REPLY CODE</u>	<u>REPLY (AA78)</u>
FQ	DRILLED
ET	PLAIN

NOTE FOR MRC AYDP: REPLY TO THIS MRC IF REPLY CODE ET IS ENTERED FOR MRC AYHP.

ALL* (See Note Above)

AYDP J DISCHARGE CONNECTION FLANGE PIPE SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE DISCHARGE CONNECTION FLANGE PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYDPJA4.000*; AYDPJL101.6*; AYDPJA4.000\$JA5.000*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL* (See Note Preceding MRC AKSD)

CX SX	L	DISCHARGE CONNECTION QUICK DISCONNECT STYLE
-------	---	--

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE DISCHARGE QUICK DISCONNECT.

Reply Instructions: Enter the applicable group designator and style number from [Appendix B](#), Reference Drawing Group C. (e.g., CX SXLC3*)

ALL* (See Note Preceding MRC AKSD)

AY HL	G	DISCHARGE CONNECTION QUICK DISCONNECT SIZE
-------	---	---

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE DISCHARGE CONNECTION QUICK DISCONNECT.

Reply Instructions: Enter the reply in clear text.

(e.g., AY HLG1-1/4 IN.*)

ALL

AY HM	D	EXPLOSION PROOF FEATURE
-------	---	-------------------------

Definition: AN INDICATION OF WHETHER OR NOT AN EXPLOSION PROOF FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AY HMDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

AK DJ	D	PRIME MOVER TYPE
-------	---	------------------

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAE*; AKDJDAC\$DAE*)

<u>REPLY CODE</u>	<u>REPLY (AG27)</u>
AC	DIESEL ENGINE
AD	ELECTRIC MOTOR
AE	GASOLINE ENGINE

NOTE FOR MRCS AYHN, AYHQ, AND ACDC: REPLY TO MRCS AYHN AND AYHQ ONLY IF REQUIRED FOR IDENTIFICATION IF REPLY CODE AC OR AE IS ENTERED FOR MRC AKDJ.

REPLY TO MRC ACDC IF REPLY CODE AD IS ENTERED FOR MRC AKDJ.

ALL* (See Note Above)

AYHN	A	ENGINE MANUFACTURER CODE
------	---	--------------------------

Definition: THE IDENTIFYING NUMERIC CODE OF THE ORIGINATOR THAT CONTROLS OR MANUFACTURERS THE ENGINE.

Reply Instructions: Enter the manufacturers code. (e.g., AYHNA23456*)

ALL* (See Note Preceding MRC AHYN)

AYHQ	G	ENGINE MANUFACTURER IDENTIFYING NUMBER
------	---	---

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ENGINE.

Reply Instructions: Enter the reply in clear text. (e.g., AYHQGMODEL 3031C*)

ALL* (See Note Preceding MRC AYHN)

ACDC	D	CURRENT TYPE
------	---	--------------

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
-------------------	---------------------

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	AC
		C	DC

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: REPLY TO MRCS ELEC, FREQ, AND FAAZ IF REPLY CODE B IS ENTERED FOR MRC ACDC.

REPLY TO MRC ELEC IF REPLY CODE C IS ENTERED FOR MRC ACDC.

ALL* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB208.0*;
ELECB24.0\$B110.0*)

ALL* (See Note Preceding MRC ELEC)

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*;
FREQB50.0\$B60.0*)

ALL* (See Note Preceding MRC ELEC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
FAAZDA*; FAAZDA\$DB*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AHZX	B	PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB102.000*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AHZXKN*)

ALL*

CSYL	J	PRIME MOVER POWER RATING
------	---	--------------------------

Definition: THE RATED POWER OF THE PRIME MOVER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CSYLJW372.800*; CSYLJL1.100*)

<u>REPLY CODE</u>	<u>REPLY (AC33)</u>
L	KILOWATTS (1000 Watts and above)
W	WATTS (below 1000 Watts)

NOTE FOR MRCS AYHR, AYHS, AYHT, AND AYHW: IF MORE THAN ONE DIFFERENT TYPE, SIZE, OR LENGTH OF HOSE, ENTER REPLIES IN ACCORDANCE WITH THE SEQUENCE PRIORITY LISTING IN APPENDIX C.

ALL* (See Note Above)

AYHR	D	HOSE TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF HOSE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYHRDAD*; AYHRDAD\$\$DAC*)

<u>REPLY CODE</u>	<u>REPLY (AJ58)</u>
AD	DISCHARGE
AC	SUCTION

NOTE FOR MRCS AYHS, AYHT, AND AYHW: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC AYHR.

ALL* (See Note Above and Preceding MRC AYHR)

FIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AYHS A HOSE SECTION QUANTITY

Definition: THE NUMBER OF HOSE SECTIONS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYHSA4*; AYHSA4\$A6*)

ALL* (See Note Preceding MRCS AYHR and AYHS)

AYHT J HOSE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE HOSE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYHTJFA25.000*; AYHTJMA07.7*; AYHTJFB25.000\$\$JFC30.000*; AYHTJFA25.000\$\$JFA25.000*)

Table 1

REPLY CODE

F

M

REPLY (AA05)

FEET

METERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRCS AYHR and AYHS)

AYHW J HOSE INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE HOSE, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYHWJAA1.250*; AYHWJLA24.5*; AYHWJAB1.250\$\$JAC1.500*; AYHWJAA1.250\$\$JAA1.250*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Table 2

REPLY CODE

REPLY (A C20)

A
B
C

NOMINAL
MINIMUM
MAXIMUM

ALL*

AYHX A HOSE REEL QUANTITY

Definition: THE NUMBER OF HOSE REELS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYHXA2*; AYHXA1\$\$A2*)

ALL*

AYHY G HOSE SIZE ACCOMMODATED

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSION(S) OF THE HOSE THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the reply in clear text.

(e.g., AYHYG1-1/4 IN.*)

ALL*

AYHZ A HOSE RACK QUANTITY

Definition: THE NUMBER OF HOSE RACKS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYHZA1*)

ALL

AYJA D GROUND CABLE

Definition: AN INDICATION OF WHETHER OR NOT A GROUND CABLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJADB*)

REPLY CODE

REPLY (AA49)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	INCLUDED
		C	NOT INCLUDED

NOTE FOR MRC AYJB: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AYJA.

ALL* (See Note Above)

AYJB D CABLE REEL

Definition: AN INDICATION OF WHETHER OR NOT A CABLE REEL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJBDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

AYJC D WATER REMOVER TYPE

Definition: INDICATES THE TYPE OF WATER REMOVER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJCDNE*; AYJCDNE\$DNF*)

<u>REPLY CODE</u>	<u>REPLY (AE98)</u>
NE	SEPARATOR
NF	STRAINER

NOTE FOR MRCS AQGA AND AQGB: REPLY TO THESE MRCS, ONLY IF REQUIRED FOR IDENTIFICATION, WHEN REPLY CODE NE OR NF IS ENTERED FOR MRC AYJC.

ALL* (See Note Above)

AQGA G MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the reply in clear text. (e.g., AQGAGBLANK CO*)

ALL* (See Note Preceding MRC AQGA)

AQGB	A	MANUFACTURER IDENTIFYING NUMBER
------	---	---------------------------------

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ITEM.

Reply Instructions: Enter the identifying number.

(e.g., AQGBAPART NO. 115-158 QM DWG 5-14-518*)

ALL

AYJE	D	DRUM EMPTYING MANIFOLD ASSEMBLY
------	---	---------------------------------

Definition: AN INDICATION OF WHETHER OR NOT A DRUM EMPTYING MANIFOLD ASSEMBLY IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJEDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

NOTE FOR MRC AYJF: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AYJE.

ALL* (See Note Above)

AYJF	A	DRUM QUANTITY ACCOMMODATED
------	---	----------------------------

Definition: THE NUMBER OF DRUMS THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the quantity. (e.g., AYJFA3*)

ALL

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDBJ*; AAXXDAV\$DBJ*)

<u>REPLY CODE</u>	<u>REPLY (AA78)</u>
BJ	FRAME
AV	TRAILER
AU	WHEEL

ALL

ATYX J CAPACITY RATING

Definition: THE RATED CAPACITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ATYXJCQ100.0*; ATYXJCR378.5*; ATYXJCQ100.0\$JCQ110.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
CQ	GALLONS PER MINUTE
CR	LITERS PER MINUTE

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGTOOL BOX 1*)

FIG T
Section Parts

SECTION: N

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED27494*)

ALL

APCB	D	PORTABILITY
------	---	-------------

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS PORTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCBDP*; APCBDM\$DP*)

REPLY CODE

M
P

REPLY (AK36)

NONPORTABLE
PORTABLE

NOTE FOR MRC AAXX: REPLY TO THIS MRC IF REPLY CODE P IS ENTERED FOR MRC APCB.

ALL* (See Note Above)

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDAU*; AAXXDAU\$DCP*)

REPLY CODE

BF
CP
AT
FR
AV
AU

REPLY (AA78)

BASE
CABINET
SKID
TANK
TRAILER
WHEEL

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

NOTE FOR MRC AYJW AND AYJX: REPLY TO THESE MRCS IF REPLY CODE AU OR AV IS ENTERED FOR MRC AAXX.

ALL* (See Note Above)

AYJW J ROLLING ELEMENT TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF ROLLING ELEMENTS FOR MOVING THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., AYJWJAU4*; AYJWJAU2\$JBH3*)

<u>REPLY CODE</u>	<u>REPLY (AA78)</u>
BH	CASTER
AU	WHEEL

ALL* (See Note Preceding MRC AYJW)

AYJX D PULLING DEVICE

Definition: AN INDICATION OF THE DEVICE PROVIDED FOR PULLING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJXDCB*; AYJXCB\$DCC*)

<u>REPLY CODE</u>	<u>REPLY (AF69)</u>
CB	DRAWBAR
CC	HANDLE

ALL

AAJJ J MAXIMUM OPERATING PRESSURE

Definition: THE MAXIMUM PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJJJV3000.0*; AAJJJK210.9*; AAJJJV3000.0\$JV35000.0*)

For items that do not required a rating, change the Mode Code to K and enter Reply Code N. (e.g., AAJJKN*)

<u>REPLY CODE</u>	<u>REPLY (AB18)</u>
K	KILOGRAMS PER SQUARE CENTIMETER
S	MEGAPASCALS
V	POUNDS PER SQUARE INCH

ALL*

AAYJ	J	HYDRAULIC FLUID FLOW RATE
------	---	---------------------------

Definition: THE AMOUNT OF HYDRAULIC FLUID REQUIRED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAYJJM5.0*; AAYJJE19.0*; AAYJJM5.0\$JM7.0*)

For items that do not required a rating, change the Mode Code to K and enter Reply Code N. (e.g., AAYJKN*)

<u>REPLY CODE</u>	<u>REPLY (AC64)</u>
M	GALLONS PER MINUTE
Y	IMPERIAL GALLONS PER MINUTE
E	LITERS PER MINUTE

ALL

AXEL	D	PUMP TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDK*)

If two or more different pumps, enter the replies in Reply Code sequence. (e.g., AXELDK\$\$DM*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			<hr/>
		<u>REPLY CODE</u>	<u>REPLY (AA80)</u>
		K	AXIAL PISTON
		D	CENTRIFUGAL
		L	RADIAL PISTON
		E	RECIPROCATING
		F	ROTARY
		M	VANE

ALL

AENC A PUMP QUANTITY

Definition: THE NUMBER OF PUMPS INCORPORATED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AENCA2*)

If two or more different pumps, enter replies in the same sequence as entered for MRC AXEL. (e.g., AENCA1\$\$A2*)

ALL

AYJJ D PUMP DRIVE TYPE

Definition: INDICATES THE TYPE OF DRIVE PROVIDED FOR THE PUMP.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJJDAC*)

If two or more different pumps, enter replies in the same sequence as entered for MRC AXEL. (e.g., AYJJDAA\$\$DAC*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
AA	AIR
AC	ELECTRIC MOTOR
HE	GAS TURBINE ENGINE
HF	GASOLINE ENGINE
DD	HAND

ALL

AYJK D HYDRAULIC FLUID RESERVOIR

Definition: AN INDICATION OF WHETHER OR NOT A HYDRAULIC FLUID RESERVOIR IS INCLUDED.

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJKDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AYJL: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AYJK.

ALL* (See Note Above)

AYJL J RESERVOIR CAPACITY

Definition: THE AMOUNT OF FLUID THE RESERVOIR IS DESIGNED TO HOLD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYJLJG35.0*; AYJLJL132.4*; AYJLJG35.0\$JG45.0*)

<u>REPLY CODE</u>	<u>REPLY (AB10)</u>
G	GALLONS
L	LITERS

ALL

AYJM D ACCUMULATOR

Definition: AN INDICATION OF WHETHER OR NOT AN ACCUMULATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJMDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AYJN: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AYJM.

FIIG T
Section Parts

APP				
Key	MRC	Mode Code	Requirements	

ALL* (See Note Above)

AYJN D ACCUMULATOR TYPE

Definition: INDICATES THE TYPE OF ACCUMULATOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJNDBC*; AYJNDBC\$DBD*)

<u>REPLY CODE</u>	<u>REPLY (AG85)</u>
BC	CYLINDER-PISTION
BD	INCLOSED PNEUMATIC BAG

ALL

AYJP D FLUID FILTER

Definition: AN INDICATION OF WHETHER OR NOT A FLUID FILTER(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJPDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AYJQ: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AYJP.

ALL* (See Note Above)

AYJQ D FLUID FILTER TYPE

Definition: INDICATES THE TYPE OF FLUID FILTER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJQDGR*; AYJQDDE\$DGR*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
GR	PRESSURE
DE	VACUUM

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL*

AYJR	D	HOSE HOLDER TYPE
------	---	------------------

Definition: INDICATES THE TYPE OF HOSE HOLDER(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJRDFP*; AYJRDFP\$DHG*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
FP	RACK
HG	REEL

NOTE FOR MRCS NMBR AND APHE: REPLY TO MRC NMBR IF REPLY CODE FP IS ENTERED FOR MRC AYJR.

REPLY TO MRCS NMBR AND APHE IF REPLY CODE HG IS ENTERED FOR MRC AYJR.

ALL* (See Note Above)

NMBR	A	QUANTITY
------	---	----------

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*; NMBRA2\$A3*)

ALL* (See Note Preceding MRC NMBR)

APHE	D	OPERATION METHOD
------	---	------------------

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDCF*; DCF\$DGB*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
CF	MANUAL
GB	POWER

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			

ALL

AYJS D MANIFOLDING HOSE SET

Definition: AN INDICATION OF WHETHER OR NOT A MANIFOLDING HOSE SET IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJSDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

NOTE FOR MRC AYJT: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AYJS.

ALL* (See Note Above)

AYJT A OUTLET QUANTITY

Definition: THE NUMBER OF OUTLETS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYJTA8*)

FIG T
Section Parts

SECTION: P

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11019*)

ALL

AXEL	D	PUMP TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDP*; AXELDN\$DP*)

<u>REPLY CODE</u>	<u>REPLY (AA80)</u>
N	DIAPHRAGM
P	PISTON
F	ROTARY

ALL

APGF	D	DESIGN TYPE
------	---	-------------

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAZZ*; APGFDALC\$DAZZ*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
AZZ	CONTINUOUS FLOW
ALC	SELF-MEASURING

ALL

AYJY	D	PUMP HEAD BODY MOUNTING METHOD
------	---	--------------------------------

Definition: THE MEANS OF ATTACHING THE PUMP HEAD BODY.

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYJYDACR*; AYJYDACR\$DARG*)

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
ACR	FLANGE
ARG	THREADED PLUG

ALL*

AYJZ	G	BUNG OPENING SIZE FOR WHICH PUMP HEAD BODY IS DESIGNED
------	---	--

Definition: DESIGNATES THE SIZE OF THE BUNG OPENING FOR WHICH THE PUMP HEAD BODY IS DESIGNED.

Reply Instructions: Enter the reply in clear text.

(e.g., AYJZG1-1/2 IN. AND 2 IN.*)

ALL

AYKA	D	DISCHARGE FITTING TYPE
------	---	------------------------

Definition: INDICATES THE TYPE OF DISCHARGE FITTING PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYKADACF*; AYKADACC\$DACE*)

<u>REPLY CODE</u>	<u>REPLY (AM35)</u>
ACC	FLEXIBLE NOZZLE
ACD	HOSE-NOZZLE
ACE	PLAIN NOZZLE
ACF	POSITIVE SHUT-OFF NOZZLE
ACG	THREADED NOZZLE

NOTE FOR MRC AWQH: REPLY TO THIS MRC IF REPLY CODE ACG IS ENTERED FOR MRC AYKA.

ALL* (See Note Above)

AWQH	J	NOMINAL SIZE
------	---	--------------

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: DESIGNATES THE NOMINAL SIZE OF AN ITEM, SUCH AS LENGTH, WIDTH, DIAMETER, AND THE LIKE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWQHJA0.625*; AWQHJL15.9*; AWQHJA0.611\$JA0.711*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL*

AYKB	J	HOSE OVERALL LENGTH
------	---	---------------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE HOSE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYKBJFA8.000*; AYKBFMA203.2*; AYKBJFB15.000\$JFC20.000*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
F	FEET
M	METERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AYKC	J	HOSE NOMINAL SIZE
------	---	-------------------

Definition: DESIGNATES THE NOMINAL SIZE, SUCH AS LENGTH, WIDTH, DIAMETER, AND THE LIKE, OF THE HOSE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYKCJA0.625*; AYKCJL15.9*; AYKCJA0.625\$JA0.725*)

FIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL

AYLY D INTAKE PIPE ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE INTAKE PIPE IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYL YDA*; AYLYDA\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB00)</u>
A	ADJUSTABLE
C	NONADJUSTABLE

NOTE FOR MRCS AYLZ AND ABRY: REPLY TO MRC AYLZ IF REPLY CODE A IS ENTERED FOR MRC AYLY. REPLY TO MRC ABRY IF REPLY CODE C IS ENTERED FOR MRC AYLY.

ALL* (See Note Above)

AYLZ J ADJUSTMENT RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS TO WHICH THE ITEM MAY BE ADJUSTED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value, separated by a slash. Precede all values with a P. (e.g., AYLZJAP38.000/P45.000*; AYLZJLP965.2/P1143.0*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC AYLZ)

ABRY J LENGTH

FIG T
Section Parts

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA38.000*; ABRYJLA24.5*; ABRYJAB38.000\$\$JAC42.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AYMA D FLUID RETURN DRAIN TYPE

Definition: INDICATES THE TYPE OF FLUID RETURN DRAIN PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYMADALD*; AYMADALD\$DALE*)

REPLY CODE

A

ALD

ALE

ALF

REPLY (AK54)

ANY ACCEPTABLE

HOSE

PAN

SWING ARM TUBE

ALL

AMDA D LOCKING DEVICE

Definition: AN INDICATION OF WHETHER OR NOT A LOCKING DEVICE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMDADB*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<u>REPLY CODE</u>			<u>REPLY (AA49)</u>
B			INCLUDED
C			NOT INCLUDED

ALL

AYMB G DELIVERY RATING

Definition: AN INDICATION OF THE RATED DELIVERY OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AYMBG22 GPM AT 100 CYCLES PER MIN*)

FIIG T
Section Parts

SECTION: STANDARD

APP

Key MRC Mode Code Requirements

ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321\$\$JB5556A-663654*;

TESTJAA2345-654321\$JB55566-663654*)

REPLY
CODE

REPLY (AC28)

A

SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)

B

STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
--	--	---	---

ALL*

SPCL	G	SPECIAL TEST FEATURES	
------	---	-----------------------	--

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK	J	SPECIFICATION/STANDARD DATA	
------	---	-----------------------------	--

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

FIIG T
Section Parts

APP

Key MRC Mode Code Requirements

<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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ALL*

ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
------	---	---------------------------------

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
------	---	--

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL	A	CRITICALITY CODE JUSTIFICATION
------	---	--------------------------------

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

FIG T
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APP

Key MRC Mode Code Requirements

PRPY A PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$\$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

ENAC D ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDG4*)

REPLY
CODE
G4

REPLY (EN02)

COMPREHENSIVE PROCUREMENT GUIDELINE -
VEHICULAR PRODUCTS - REBUILT VEHICULAR
PARTS

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

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Section Parts

APP

Key MRC Mode Code Requirements

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFCY*)

REPLY CODE
CY

REPLY (AD05)
HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE
A

REPLY (AN58)
ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

FIIG T
Section Parts

SECTION: SUPPTECH

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

AFJK	J	CUBIC MEASURE
------	---	---------------

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC27.0*)

<u>REPLY CODE</u>	<u>REPLY (AB42)</u>
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

SUPP	G	SUPPLEMENTARY FEATURES
------	---	------------------------

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENTS*)

ALL

FCLS	A	FUNCTIONAL CLASSIFICATION
------	---	---------------------------

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD	G	FUNCTIONAL DESCRIPTION
------	---	------------------------

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Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
			Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.
			Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)
ALL			
	TMDN	A	TYPE/MODEL DESIGNATION
			Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.
			Reply Instructions: Enter the appropriate designation data.
			(e.g., TMDNAMS V-615/M*)
ALL			
	RTSE	G	RELATIONSHIP TO SIMILAR EQUIPMENT
			Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.
			Reply Instructions: Enter the concise statement for similar item including name and identifying data.
			(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)
ALL			
	RDAL	G	REFERENCE DATA AND LITERATURE
			Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.
			Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.
			(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)
ALL			
	NTRD	A	ENTRY DATE

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
			<p>Definition: INDICATES THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.</p> <p>Reply Instructions: Enter the data structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.</p> <p>(e.g., NTRDA80-05-28*)</p>
ALL			
	ZZZV	G	FSC APPLICATION DATA
			<p>Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.</p> <p>Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)</p>
ALL			
	AGAV	G	END ITEM IDENTIFICATION
			<p>Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.</p> <p>Reply Instructions: Enter the applicable reply in clear text.</p> <p>(e.g., AGAVG3930-00-000-0000*;</p> <p>AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)</p>
ALL			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
			<p>Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g. CXCYGLINE PROCESSOR CONTROL BOARD*)</p>
ALL			

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Section Parts

APP Key	MRC	Mode Code	Requirements
	HZRD	D	HAZARDOUS SUBSTANCES

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ222*; HZRDDHAZ029\$\$DHAZ052*)

REPLY CODE

HAZ222
HAZ029
HAZ052

REPLY (HZ00)

IRON
LEAD
ZINC

FIG T
Section Parts

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Reply Tables

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Table 2 - MEDIA FOR WHICH DESIGNED	190
Table 3 - MATERIALS	191
Table 4 - NONDEFINITIVE SPEC/STD DATA	192

Table 1 - SURFACE TREATMENTS
SURFACE TREATMENTS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
AN0000	ANODIZED
A	ANY ACCEPTABLE
FNAM00	BLACK PRIMER COATED
CD0000	CADMIUM
CDR000	CADMIUM PLATED
CSD000	CELLULOSE NITRATE
CNE000	CHROMATE COATED
CH0000	CHROME
CHC000	CHROME PLATED
ENE000	ENAMEL, BAKED
ENH000	ENAMEL, GRAY
ENC000	ENAMELED
FNAP00	IRON OXIDE-ZINC CHROMATE PRIMER
LQP000	LACQUER, ACRYLIC
LQL000	LACQUER, GRAY
NR0000	NATURAL
FNAG00	NON-OXIDE COATED PROTECTIVE FINISH
LC0000	OIL
XXC000	OXIDE, RED
PND000	PAINT, BLACK
PN0000	PAINTED
PNT000	PAINTED, RED LEAD
PS0000	PASSIVATED
PH0000	PHOSPHATE
PHH000	PHOSPHATE COATED
PCP000	PLASTIC, EPOXY
PCAH00	PLASTIC, POLYTETRAFLUOROETHYLENE (Teflon)
FNAH00	PRIMER
FNAK00	PRIMER, GRAY
FNAL00	PRIMER, RED OXIDE
FNAJ00	PRIMER, SYNTHETIC
SN0000	TIN
SNF000	TIN PLATED
VAD000	VARNISH, PHENOLIC BASE
ZNA000	ZINC CHROMATE
ZNAS00	ZINC, CHROMATE COATED
ZNAE00	ZINC CHROMATE PRIMER
ZNS000	ZINC COATED

Table 2 - MEDIA FOR WHICH DESIGNED
MEDIA FOR WHICH DESIGNED

<u>REPLY CODE</u>	<u>REPLY (AB75)</u>
AB	AIR
AC	ALCOHOL
AF	AMMONIA
A	ANY ACCEPTABLE
SC	GARBAGE
BD	GAS
BE	GASOLINE
SD	OIL
SB	SLUDGE, FUEL OIL
KQ	VAPOR
DF	WATER
SE	WATER, OILY
DL	WATER, SALT

Table 3 - MATERIALS
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0676	ALUMINUM ALLOY, SAE 332
A	ANY ACCEPTABLE
BR0000	BRASS
BN0000	BRONZE
BNJ000	BRONZE, CAST
KN0000	COPPER NICKEL ALLOY
CKD000	COPPER-SILICON ALLOY
FG0000	FIBERGLASS
FE0000	IRON
FEA000	IRON, CAST
FE0068	IRON, CAST, SAE 111
FEW000	IRON, MODULAR
FE0067	IRON, QQ-I-652A, GRADE B
PB0000	LEAD
NC0000	NICKEL COPPER ALLOY
NCB000	NICKEL COPPER SILICON ALLOY
PC0000	PLASTIC
PCW000	PLASTIC, PHENOLIC
PCAK00	PLASTIC, POLYVINYL CHLORIDE
ST0000	STEEL
ST2044	STEEL, ASTM A216, GRADE WCB
STB000	STEEL, CORROSION RESISTING
STD000	STEEL, STAINLESS
SN0000	TIN
TTA000	TITANIUM
ZN0000	ZINC
ZN0015	ZINC ALLOY, SAE 925

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ZNS000	ZINC COATED

Table 4 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER

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<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

REFERENCE DRAWING GROUP A 196

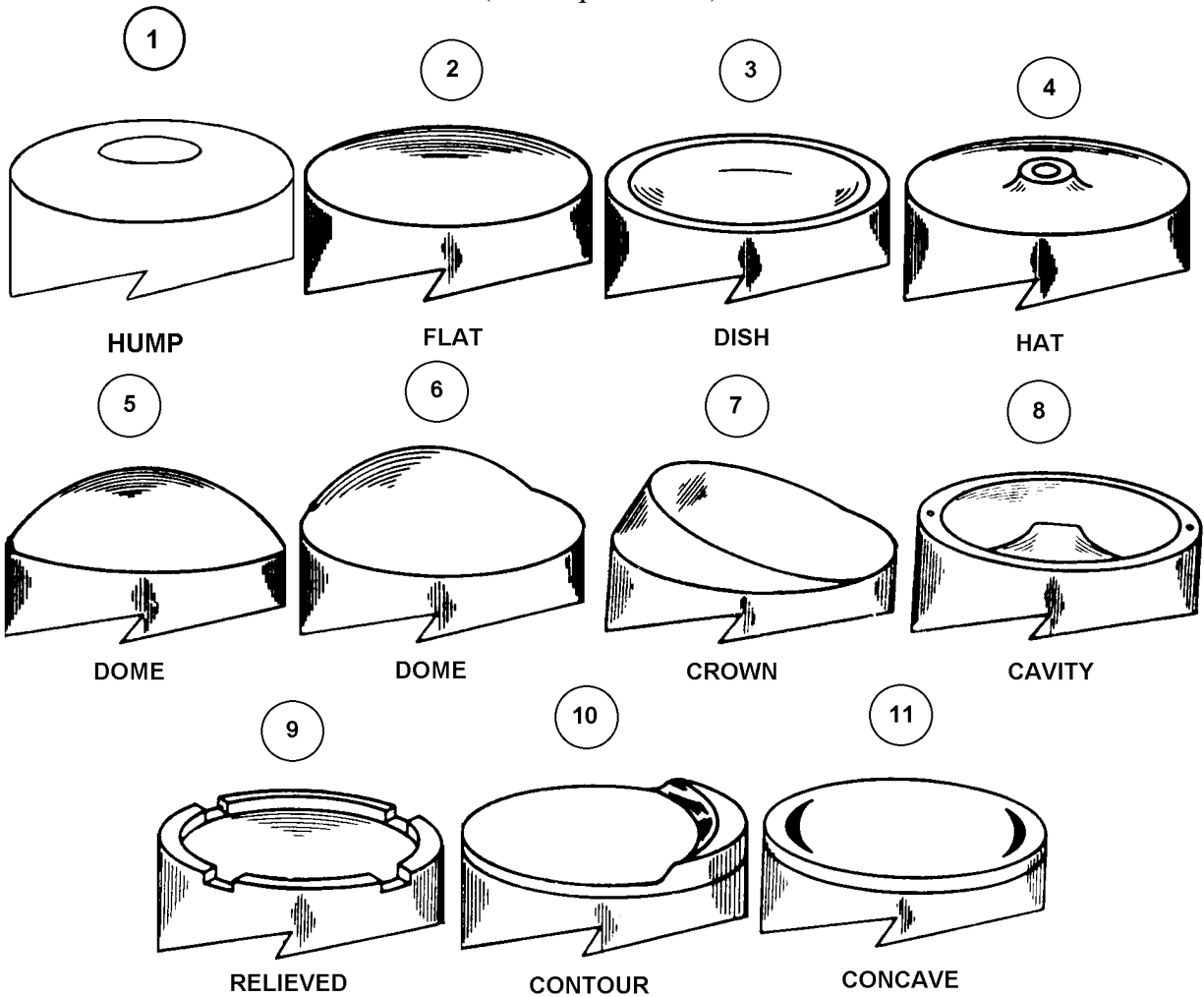
REFERENCE DRAWING GROUP B 197

REFERENCE DRAWING GROUP C 198

REFERENCE DRAWING GROUP A

HEAD STYLES

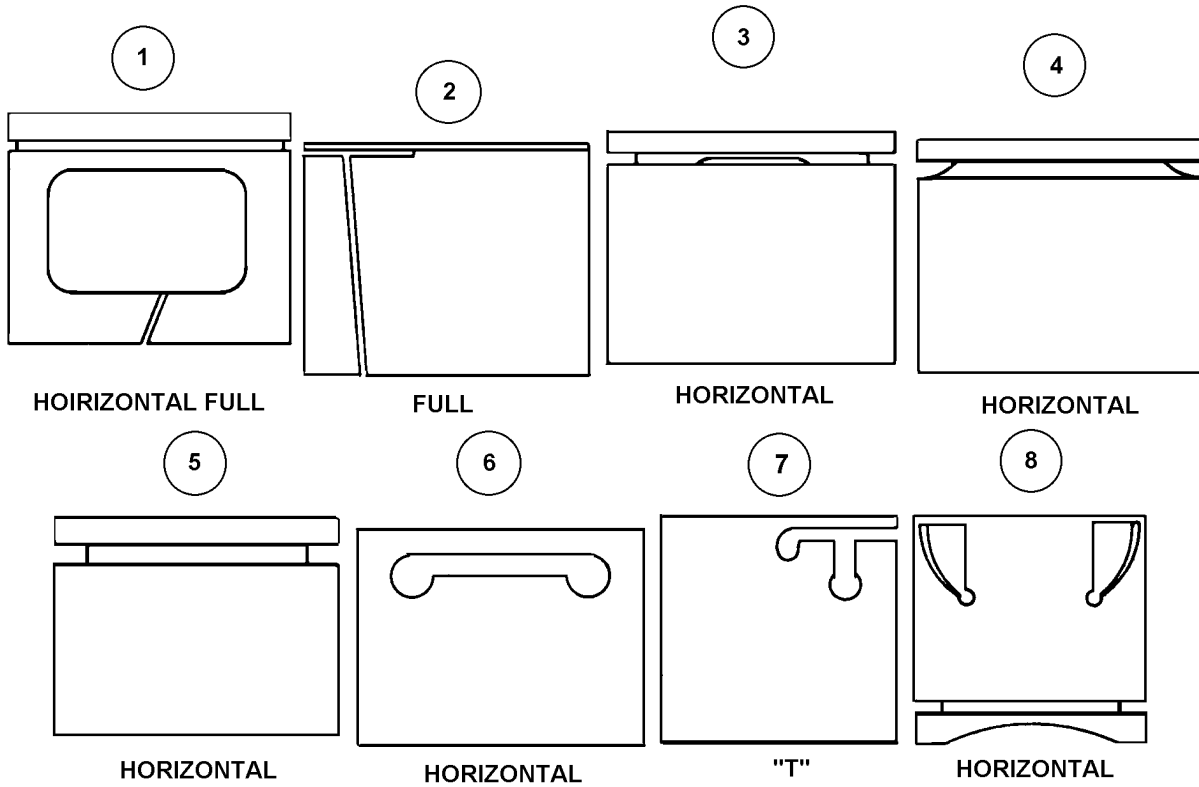
(No Requirements)



REFERENCE DRAWING GROUP B

SLOT STYLES

(No Requirements)

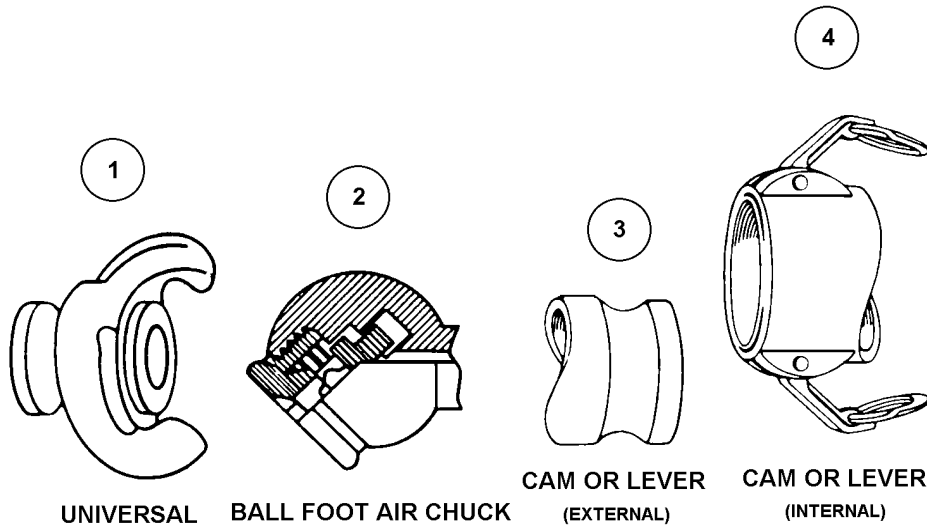


REFERENCE DRAWING GROUP C

END CONNECTION STYLES

(No Requirements)

NOTE - INCLUDES "QUICK ACTING STYLE END CONNECTIONS"



Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART	200
---	-----

FIG T103
APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	-----	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	-----	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	-----	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	-----	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	-----	.281	.2812				25/32	-----	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	-----	.344	.3438				27/32	-----	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	-----	.406	.4062				29/32	-----	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	-----	.469	.4688				31/32	-----	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective June 4, 2010

This change replaced with ISAC or and/or coding.